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Niagara Frontier Emission Inventory, 1975. Particulate Matter and Sulfur Dioxide Point and Area Source Inventories for Erie and Niagara Counties in New York

Engineering-Science, Inc, McLean, Va.

Prepared for

Environmental Protection Agency, New York. Region II

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NIAGARA FRONTIER EMISSION INVENTORY, 1975

OCTOBER 28, 1977
FINAL REPORT

PARTICULATE MATTER AND SULFUR DIOXIDE
POINT AND AREA SOURCE INVENTORIES FOR
ERIE AND NIAGARA COUNTIES IN NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION II
AIR PROGRAMS BRANCH
NEW YORK, NEW YORK 10007

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16. ABSTRACT

Engineering-Science assisted the New York State Department of Environmental Conservation (DEC) in updating their existing point and area source air pollutant emission inventories of particulate matter and sulfur dioxide for Erie and Niagara Counties.

Major point sources (greater than 25 tons per year of particulates or sulfur dioxide) were comprehensively analyzed using DEC data at their Buffalo office. ES obtained additional information required to complete the updates from questionnaires sent to plant representatives. The updated inventory for major sources represents normal point source operation, with separate accounting for unusual operating conditions during calendar year 1975. Control equipment downtime was considered in developing 1975 emission levels. ES updated minor point sources with the assistance of the DEC data management computer system edit program which identifies missing or suspect data based on predetermined discriminator limits.

In developing area source parameters and allocation procedures, ES made use of the methodologies described in Volumes 1 through 13 of the EPA Guideline Series for AQMA analysis. ES and the DEC jointly conducted a survey of fuel dealers and prime suppliers. In addition to the development of area source values for subcounty areas, ES recommended appropriate emission factors to the EPA for their use in estimating emissions.

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NIAGARA FRONTIER
EMISSION INVENTORY, 1975

EPA Contract No. 68-02-1380,
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October 28, 1977

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CHAPTER I

INTRODUCTION

OBJECTIVE

Engineering-Science (ES) was contracted by the U.S. Environmental Protection Agency (EPA) to review, improve and develop the particulate matter and sulfur dioxide emission inventories for the Niagara Frontier Intrastate Air Quality Control Region (AQCR). To meet this objective, ES made use of the AIR 100 data management computer system developed and maintained by the New York State Department of Environmental Conservation (DEC). A cursory analysis was made of the entire 3000 point sources contained in the DEC inventory. The main effort, however, consisted of upgrading the emission inventory for major point sources as identified by the DEC. A comprehensive analysis was made for about 265 such sources. ES also developed a subcounty inventory for area sources which consisted of 316 cells in the two-county AQCR.

In meeting the objective of this project, inputs were required from the DEC headquarters office in Albany, the DEC Region 9 office in Buffalo, the Niagara County Department of Health, the Erie and Niagara Counties Regional Planning Board, the EPA Office of Air Quality Planning and Standards (OAQPS), EPA Region II, the Erie County Department of Environmental Quality (presently Department of Environment and Development) and other local government agencies and industry. ES was responsible for updating and upgrading the DEC maintained computer files of point sources, for updating and developing the 1975 base year area source inventory and for allocation of the area source inventory to grid squares. Following this project, plans called for DEC to convert their updated AIR 100 file to National Emissions Data System (NEDS) format and supply these data to the EPA. The EPA was then expected to utilize the NEDS inventory to perform modeling and to develop a source-receptor relationship with the updated point and area source emission inventories provided by ES and the DEC. The model planned for use was the Implementation Planning Program (IPP).

Throughout the project, ES followed the methodology described in the following EPA documents and publications:

- o "Guide for Compiling a Comprehensive Emission Inventory" (APTD-1135).
- o "Guidelines for Air Quality Maintenance and Analysis".
  Volume 7 : Projecting County Emissions.
  Volume 8 : Computer-Assisted Area Source Emission Gridding Procedure.
  Volume 13 : Allocating Projected Emissions to Subcounty Areas.
- o "Compilation of Air Pollution Emission Factors" (AP-42).

This final report summarizes the work effort conducted by ES in the development of the point and area source inventories. The actual updates to the computer files were delivered to the DEC on computer cards. Nearly 5,200 transactions for point and about 1,900 transactions for area sources were produced as a result of this effort. In Chapters II and III the methodology and sources of information used by ES in building a data base for the development of the point and area source inventories is described in detail.

BACKGROUND

On July 12, 1976 (41 FR 28618), the EPA published in the Federal Register a notice assessing the adequacy of the New York State Implementation Plan (SIP). In its notice, the EPA found that for the Niagara Frontier AQCR (Erie and Niagara Counties), the SIP was inadequate to provide for the attainment and maintenance of the national ambient air quality standards for particulate matter and the maintenance of standards for sulfur dioxide. As a result, the EPA requested the State to revise its SIP by developing new control strategies and promulgating new emission limitations.

On December 16, 1976 (41 FR 54955), EPA announced in the Federal Register that the State was requesting that the EPA approve a revision to its SIP consisting of a temporary relaxation of the sulfur-in-fuel oil limitation for part of the Niagara Frontier. On May 18, 1977 (42 FR 25501), the EPA indicated that it could not fully evaluate the impact of the revision on air quality and could not approve the revision without the performance of dispersion modeling.

In order for the State to correct the inadequacies in its SIP and document the impact of other revisions, a source-receptor relationship model is required for the Niagara Frontier. The accuracy of any model depends upon the accuracy of the input data, the most important portion of which is the point and area source emission inventory. Within the framework described, it was Engineering Science's task, under contract to EPA Region II, to assist the New York State Department of Environmental Conservation in updating and upgrading the point and area source emission inventories for particulate matter and sulfur dioxide in Erie and Niagara Counties.

CHAPTER II

POINT SOURCE INVENTORY

NEW YORK STATE INVENTORY SYSTEM

The New York State DEC AIR 100 master file is routinely generated from applications for Permits-to-Construct or Certificates-to-Operate for three classes of sources: combustion, incineration, and industrial process. The DEC also maintains a separate historical data file which is derived from the current master file and corresponds to the time period of the certificate to operate. The historical file for a given year is automatically updated by current master file updates provided the year in question falls within the current Certificate-to-Operate time span and the historical file has not been separately updated.

The primary use of the applications has been enforcement-oriented on a local level, and as a result the existing data oftentimes lacks some parameters necessary for dispersion modeling or lacks verification of the values provided. In generating the updates Engineering-Science gave priority to data which was essential for dispersion modeling such as emissions, stack gas exit velocity and temperature, stack diameter and height, UTM coordinates, control efficiency, allowable emissions, and operating levels. The ES review and update consisted of three main tasks: (1) the cursory update, (2) the comprehensive update, and (3) the identification of possible missing point sources. Figure II-1 illustrates the overall approach to updating the existing computer file for the Niagara Frontier. The term "point source" as used herein is a synonym for a stack. A "facility" refers to a plant, institution, or commercial building that may have a group of stacks associated with it.

CURSORY UPDATE

DEC Edit Program

The DEC devised an edit program which made use of discriminator values for selected parameters to identify missing or suspect data in the AIR 100 files. Engineering-Science assisted the DEC in developing discriminator

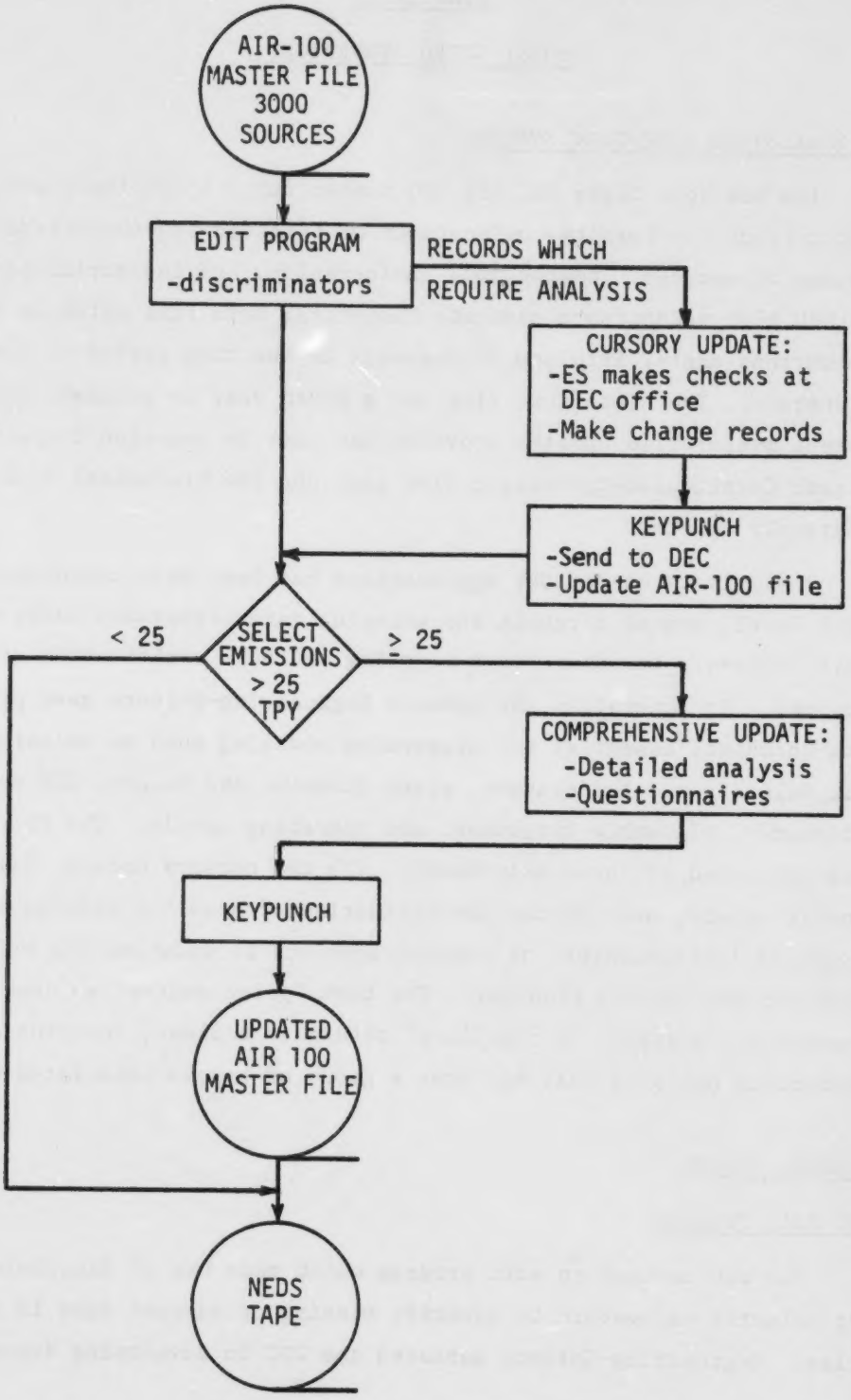


Figure II-1. Niagara Frontier point source update approach.

values for these parameters which include Universal Transverse Mercator (UTM) coordinates, stack parameters, facility fuel usage with relation to fuel type, annual fuel usage compared to average hourly fuel usage, and various emission data. The edit program was developed to provide a quick and effective method of identifying obvious errors.

In conducting the cursory update, Engineering-Science checked and verified or corrected those records flagged by the edit program. Of the approximately 3,000 point sources in the Niagara Frontier, the edit program rejected records for 467 point sources because of missing data or data that did not meet the discriminator limits. These point sources are identified in Appendix A. The majority of the errors identifed by the edit program related to stack parameters and annual fuel usage. A single set of UTM coordinates were provided for facilities found to have erroneous or missing coordinates. UTM Zone 18 coordinates were used throughout the program. Engineering-Science provided Source Classification Codes (SCC) for all industrial processes listed in Appendix A since the DEC conversion program which produces NEDS format can only generate identifying SCCs for combustion and incineration sources.

Cursory Update Methodology

In the first update phase, Engineering-Science performed a "cursory" analysis of the edit program printout at the DEC Region 9 office in Buffalo, New York. The erroneous values in the printout were compared first to the corresponding values contained in the AIR 100 forms (applications for Permit-to-Construct or Certificate-to-Operate). The inspection reports, stack tests, impact assessments, certificates to operate, or other material contained in the DEC correspondence and plan files were examined in a cursory fashion in an attempt to provide correct values. At times, a DEC Region 9 engineer was consulted to provide insight into the operation of a specific source. Of primary concern were the point sources which appeared to have particulate or sulfur dioxide emissions less than 25 tons/year since those sources with greater than 25 tons/year emissions were to be analyzed during the subsequent comprehensive update. For all but 55 point sources with less than 25 tons/year emissions, 11 required information was obtained from the DEC files in Buffalo. For these 55 point sources,the DEC engineers in Buffalo obtained the necessary information from plant representatives or made estimates of the missing data.

The values to be updated were coded by ES on appropriate AIR 100 file correction forms, checked for data format, legibility, and accuracy, and keypunched. The cards were checked for card format and accuracy before transmitting the card deck and a copy of the listing of the cards to the DEC in Albany. Engineering-Science was responsible for correcting any cards rejected by the DEC update program. A total of 1,400 update cards were provided to the DEC in the cursory edit stage of the point source updates. A computer listing of each of the update cards is provided in Appendix B. Although the updates were made to the current master file, the changes were also incorporated in the historical file since no manual updates had previously been made to the historical file.

All changes made by ES to the emission inventory were documented with an explanation of the source of the information for the parameter updated. All data still missing or unverified were also documented along with a note as to whether the source emitted greater than 25 tons/year of either particulates or sulfur dioxide.

Problem Areas

Because the DEC edit program was only recently developed, many problem areas surfaced which required Engineering-Science to work closely with the DEC in determining the nature of some of the errors in the edit program printout. In addition, there were several point sources that had exit velocities outside the limits of the edit program discriminators. Based on the data available, no error could be found for these point sources during the cursory update. A list of these points were provided to the DEC. Another problem resulted from the edit program discriminator which required the annual fuel use obtained from the product of the average hourly fuel use and the annual hours of operation to be within $\pm$ 10% of the annual fuel use reported by the plant. There were 126 errors of this type. Any of the three parameters could have been incorrect. ES identified several of these plants to the DEC, who in turn contacted the plant representatives to determine if any consistent pattern of calculation could be established. However, no consistency was noted so the EPA agreed that the annual fuel use should be updated in these cases by substituting the product of the average hourly fuel use and the annual hours of operation. The annual fuel use for these point sources was

not verified. ES supplied the DEC with a list of the sources assumed to be less than 25 tons/year emitters. Those sources with this problem that had greater than 25 tons/year emissions were analyzed during the comprehensive update.

COMPREHENSIVE UPDATE

Point Sources Selected for Analysis

For the comprehensive update, ES conducted a detailed analysis of all point sources which emit greater than 25 tons/year of particulates or sulfur dioxide. The comprehensive update did not consider smaller point sources although, in aggregate, small sources at a single facility could result in emissions greater than 25 tons per year. An update was required for the current master file and the 1975 historical file, if unusual operating characteristics were experienced during calendar year 1975. ES began the update through utilization of the current master file to estimate annualized emissions and to select for analysis the points with greater than 25 tons/year emissions. To reduce time the DEC used their computer system to select the point sources that Engineering-Science would analyze during this phase of the updates. The emissions were estimated from annual fuel use and EPA emission factors for combustion sources and from hourly emission rates and annual hours of operation for incineration and industrial process sources.

The DEC identified 264 point sources as having greater than 25 tons/year emissions. Engineering-Science determined that within the scope of this study, normal or typical updates to the current master file could be made for all these sources and that additional 1975 updates to the historical file could be made for 70 of these sources that exhibited unusual operating characteristics during calendar year 1975.

Comprehensive Update Methodology

In general, ES proceeded with the comprehensive update by first comparing the data contained in the applications for a Certificate-to-Operate or Permit-to-Construct to the current master or historical file. The sources only present

in the historical file normally had not been issued a Certificate-to-Operate or Permit-to-Construct due to lack of compliance with emission regulations.

The parameters analyzed consisted of stack parameters; fuel use, process throughput, or solid waste incinerated; actual emissions; allowable emissions and emission rate potential for industrial processes; operating schedules; and control equipment. ES made various calculations to check for consistency of data, e.g. exit velocity equals flow rate at stack conditions divided by stack cross-sectional area at exit; unit heat input equals rated capacities of burners operating simultaneously times the respective heating value; sum of heat inputs of units operating simultaneously equals total heat input; percent operation by season corresponds to days of operation per year; hourly emission rates reflect units (and burners) operating simultaneously; etc. Parameters that were incorrect or suspect were then checked in detail against all available data from the DEC files in Buffalo, including stack tests, inspection reports, Certificates-to-Operate, blueprints, monthly fuel reports, and impact reports. A DEC Region 9 engineer was often consulted in an attempt to provide insight into the operation of a specific source.

The update values obtained from the investigation of the DEC files and information supplied by the DEC engineers were then coded on AIR 100 file correction forms. A total of 102 point sources were completely updated, 107 point sources were partially updated, and no updates could be made for 55 sources using the available data. The same quality control methods adopted during the cursory update were performed by ES before delivering 1,746 update cards to the DEC. A computer listing of each of the update cards is provided in Appendix B.

Questionnaires

For all cases in which insufficient information/data existed within the DEC Region 9 office to update the current master file or to verify that calendar year 1975 was in fact a normal operating year, the plant representative was contacted. The Niagara County Health Department provided all data required to make current master and historical file updates for those sources

in Niagara County. For Erie County, ES developed a set of questionnaires for each of the three classes of point sources: combustion, incineration, and industrial process. Copies of these questionnaires and the accompanying cover letter and instructions are included in Appendix C. For some point sources at a facility, the inventory was updated from DEC in-house data while questionnaires were sent for other points at the facility. Because the most frequent errors found were associated with fuel usage and operating characteristics, the combustion questionnaires were the most comprehensive. The questionnaires were sent by certified mail with return receipt and the plant representative was asked to return the questionnaires in a two week time period. An attempt was made to mail the questionnaires for all emission points at a given facility at the same time. Two sets of questionnaires were mailed for a given emission point when data were needed for both typical and calendar year 1975 operation. Questionnaires for normal or typical operation were sent to 162 point sources and to 150 point sources for calendar year 1975 operation.

If the questionnaires were not returned within a three week time period, ES contacted the plant representative by telephone to determine the status of the questionnaires. Of the 87 questionnaire packages sent by mail (fewer than 87 plant representatives received packages since a few facilities were mailed more than one package), a total of 34 plant representatives had to be contacted by telephone. Each displayed at least some degree of verbal cooperation; however, information promised for 16 point sources was never received.

Updates from Questionnaires and Other Sources

ES analyzed the returned questionnaires for completeness, accuracy, and consistency with the master and historical files and the updates previously made during the comprehensive edit phase. In several instances, the plant representative had to be contacted again to obtain missing data or to clarify the information provided.

In some instances ES estimated stack gas exit flow rate or temperature if the plant representative indicated that such information was not available to him. The document Exhaust Gases from Combustion and Industrial Processes

(APTD-0805) in combination with stoichiometric calculations based on an assumed excess air and data from package boiler manufacturers were utilized by ES in making the required estimates.

In addition to the questionnaires, control equipment downtime logs maintained by the respective county agencies were utilized in making the calendar year 1975 updates. The logs indicated that in 1975, there were 21 point sources that had more than 25 hours of control equipment downtime. A list of these emission points is provided in Appendix D. ES analyzed only 5 of the sources during the comprehensive update. Because the DEC did not identify the other 16 point sources as "major" emitters (greater than 25 tons per year), ES concluded that during normal operation, these 16 point sources have emissions that are controlled to a level of less than 25 tons per year.

With information supplied from the questionnaires, 146 point sources were updated for normal or typical operation, and 70 were updated for calendar year 1975 operation using not only the questionnaire but also the control equipment outage information. These comprehensive updates for the current master and historical files were then coded, checked, and keypunched, and cards were delivered to the DEC in Albany. A computer listing of the 2,024 cards is provided in Appendix B.

Results

Table E-1 in Appendix E contains a summary of the point sources analyzed by Engineering-Science for the comprehensive update. The point sources are listed by county and by location code, which represents municipality, and are identified by facility and emission point number. Within these groups, the point sources were arranged in the order in which they were provided to ES from the DEC in Albany. The original 264 point sources are listed in Table E-1.

Source classification codes (SCC) for all industrial processes are given in Table E-1 along with IPP codes (necessary for EPA dispersion modeling) for all point sources, where applicable. The final status of each of the point sources is also included in the table according to the letter codes defined at the bottom of each page. Plant representatives failed to provide information to make normal or typical operation updates for 16 point sources and to make calendar year 1975 operation updates for 25 point sources. Of the 16 point sources, partial master file updates were made for 12 but no updates

could be made for the remaining 4. Comments covering unusual situations which are worthy of note comprise the last column of the table.

Problem Areas

Some sources such as those which have no Certificate-to-Operate and/or Permit-to-Construct were missing from the AIR 100 master file since it was established primarily as a permit system and not as an inventory system. This is the primary reason why not all the greater than 25 tons/year emission sources may have been identified, although the DEC attempted to do so. In addition, combustion sources for which EPA emission factors did not apply were not included in the list given to ES because of the computerized method in which the sources were selected. During the course of the analysis, ES identified several boilers utilizing coke oven or blast furnace gas which had greater than 25 tons/year emissions but were not in the list of greater than 25 tons/year sources. Although it was beyond the limits of this contract for ES to analyze these types of point sources, the DEC examined the point source files and updated such sources while ES completed the comprehensive edit.

The New York State Department of Environmental Conservation AIR 100 system, including applications for permits or certificates and accompanying instructions, is very detailed and well conceived. ES has discovered, however, that some of the instructions and definitions are frequently misunderstood by plant representatives, especially with relation to stationary combustion facilities. Such parameters as annual fuel use, average quantity of fuel used per hour, days per year of operation, operating schedule per season, unit heat input, total heat input, rated capacity, and exit flow rate need to be explained in sufficient detail to provide the representative with the exact procedure in which these values are to be calculated or determined. ES has also noticed that confusion exists with regard to determining point number and unit number or letter when more than one unit (boiler, process, incinerator) vents to the same stack. In several cases ES had to modify emission point or unit identification because a boiler and an incinerator were incorrectly coded as venting through the same stack. In other cases both a boiler and an incinerator venting through the same stack were assigned the same unit letter.

Another problem encountered during the comprehensive edit was caused by the incorrect choice of the type of application necessary (stationary combustion, industrial process, or incinerator) for a Permit-to-Construct or a Certificate-to-Operate. For example, some industrial process furnaces and all coke oven waste heat stacks were incorrectly placed in the files as stationary combustion sources. In cases such as this, a new application must be completed on the proper form. ES completed several new applications, but some still exist in the computer file that are incorrect. It is important to identify source type properly with respect to the computer file because source type affects the calculation of annualized emissions. For processes and incinerators annualized emissions are determined from hourly emission rates and operating schedules, while for combustion sources annualized emissions are determined from annual fuel use and EPA emission factors. Therefore, if a source is incorrectly coded as combustion, inaccurate or even zero annual emissions might be attributed to the source depending upon how the application was completed and the type of fuel utilized.

ES spent significant amounts of time working with the DEC Region 9 personnel in preparing AIR 100 applications for emission points associated with the coke battery operations (charging, pushing, and quenching) in Erie County. The data that previously existed in the file was either outdated or incorrect and thus required updating. In general, stack test data for a charging, pushing, or quenching operation were applied to similar operations at the same plant or at other plants. ES did not keypunch these types of changes or those pertaining to the modification of a facility, emission point, or unit identification, but forwarded these directly to the DEC in Albany for processing after the proper forms were coded.

Finally, the updates made to the DEC computer files by ES were in general not inserted on the original application form completed by the plant representative. As a result, ES recommends that the DEC Region 9 personnel rely upon the updated computer files in conducting their daily activities.

POSSIBLE MISSING POINT SOURCES

ES compared the New York State Department of Labor Employment File Report and the New York State Industrial Directory to the current master file listing of point sources in an attempt to identify any point sources not presently in the computer file that might require a Certificate-to-Operate. The Employment File Report contained a listing of facilities with more than 50 employees. It was reasoned that a facility of this size that could not be matched in the point source inventory might have a large enough heating plant to require a Certificate-to-Operate.

It was difficult to match plants because in many cases facility names, addresses, or Standard Industrial Classification (SIC) codes were not identical in the listings. After completing the matching efforts, ES found 41 facilities in Niagara County and 162 in Erie County that qualified as possible missing point sources. These lists were submitted to the DEC Region 9 personnel, who determined with the assistance of the Niagara County Health Department that none of the facilities identified for Niagara County required a certificate. A few of them were listed under other names in the point source inventory and the others used natural or LP gas or purchased electricity. Applications for a Certificate-to-Operate were mailed to eleven of the 162 facilities identified for Erie County. However, telephone conversations with plant officials led to the conclusion that these were small sources emitting much less than 25 tons/year of particulate or sulfur dioxide.

CHAPTER III

AREA SOURCE INVENTORY

AREA SOURCE CONCEPT

Area sources are generally perceived as "domestic" types of air pollution, i.e., emissions resulting from residential space heating, transportation, and incineration. These kinds of emissions are difficult to pinpoint so they are commonly analyzed over some geographic area such as a census tract, municipality, county, etc. Each area source represents the total of all minute quantities of air pollutants that are discharged over a particular geographic area. While each source may emit only a small quantity of air pollutants, because of the great number of sources, their collective impact may be very significant.

Usually, the smallest geographic unit for which accurate data can be obtained is the county. County data must be disaggregated and appropriately allocated to smaller areas to provide adequate detail for the dispersion modeling input. Further constraints imposed by the IPP simulation model require that these small areas be perfectly square in shape although they need not be of uniform size. Urbanized or industrialized portions of the county are gridded into small squares to provide for detailed representation of concentrated pollution sources while rural areas with few pollution sources are adequately represented by large grid squares.

The 1975 area source inventory developed by Engineering-Science covers 27 separate categories of sources which emit particulates alone or particulates and sulfur dioxide. This chapter describes the methodology of selecting the area source grid system, the fuel survey conducted to assist in the evaluation of fuel usage for three of the major area source categories, the methodology and data sources utilized to determine county totals for each of the area source categories, and the methodology and data sources adopted to accomplish the allocation of county totals to each of the grid squares.

GRID DESCRIPTION

The DEC, EPA, and Engineering-Science developed a master grid system containing more than 300 grid squares considering such factors as suitability for modeling, emission and population densities, municipal boundaries, and future land use and employment. In developing the grid system, ES sought a system that would be utilized not only in attainment studies but also in future maintenance analyses.

ES obtained area source data from the EPA Office of Air Quality Planning and Standards (OAQPS) that was used in a 1972 dispersion modeling effort related to the development of the State Implementation Plan for Erie and Niagara Counties. The grid system developed for that study contained approximately 300 grid squares ranging in size from 1 to 100 square kilometers. Square grid emissions for particulates and sulfur dioxide in tons/day were also provided by the EPA. With these data and population information from the 1970 census, ES constructed the master grid system based on existing municipal boundaries. The grids were of a generally square shape but in most cases were not perfect squares. Copies of the proposed grid system were transmitted to the county air pollution agencies, the DEC in Albany and Buffalo, the Erie and Niagara Counties Regional Planning Commission, and the EPA Region II and OAQPS. Comments from these agencies included the need for finer gridding in the city and town of Lockport, in the city of Lackawanna, and in the town of Tonawanda. In addition, EPA indicated that the grid system had to be composed of perfectly square areas in order to be compatible with the IPP dispersion model. This presented a problem with regard to the maintenance analysis since the Regional Planning Board indicated that planning data is being developed on a census tract or agglomerated census tract basis. EPA decided in this case that the modeling constraint was of greater importance. Therefore, ES redesigned the grid system based on the comments received and EPA's decision.

The resulting master grid system contained 316 perfectly square grids ranging in size from 1 to 100 square kilometers. The area source grid system

was not exactly parallel to the UTM Zone 18 coordinate system, but was rotated clockwise approximately three degrees in order to align it with the north-south municipal and county boundaries. The final approved grid system is shown in Figure III-1. An item worthy of note is that the allocation of county totals to the grids is more complicated using the adopted grid system since several of the square grids contain portions of both Erie and Niagara Counties.

ES also prepared an additional modification to the grid system in order to make it compatible with the IPP dispersion model. This modification consisted of trigonometrically estimating the coordinates of each grid to the nearest millionth (10^{-6}) of a kilometer.

FUEL SURVEY

A fuel survey was conducted for the study area to accurately define fuel usage. The results were to be used to establish accurate emissions for three major area source categories: residential, commercial/institutional, and light industrial fuel use.

The EPA document, "Guide for Compiling a Comprehensive Emission Inventory" (APTD-1135), recommends that a detailed fuel survey be conducted in estimating area source fuel consumption for the residential, commercial/institutional, and industrial categories. ES completed the survey of 1975 fuel use for Erie and Niagara Counties. The DEC in Albany conducted the fuel survey effort for the remainder of the State of New York. ES assisted the DEC in developing a cover letter and the fuel survey form. The DEC obtained a comprehensive list of fuel dealers, both retail and "prime suppliers" from the New York State Energy Office. The DEC handled the first mailing for the entire state, and ES made the contacts necessary to complete the survey effort for Erie and Niagara Counties.

ES obtained a copy of the fuel dealer list utilized by the DEC and performed a geographical analysis to select dealers in or near the study area which were likely to have customers in Erie and Niagara Counties. ES assumed responsibility for obtaining the required information from those dealers. In addition, ES obtained copies of the yellow pages of all telephone directories within or near the Niagara Frontier to identify companies not contained in the DEC list. The DEC also provided a copy of the Empire State Petroleum Association Directory for Erie, Niagara, and surrounding counties which ES checked to identify dealers not yet contacted. ES then mailed fuel survey questionnaires

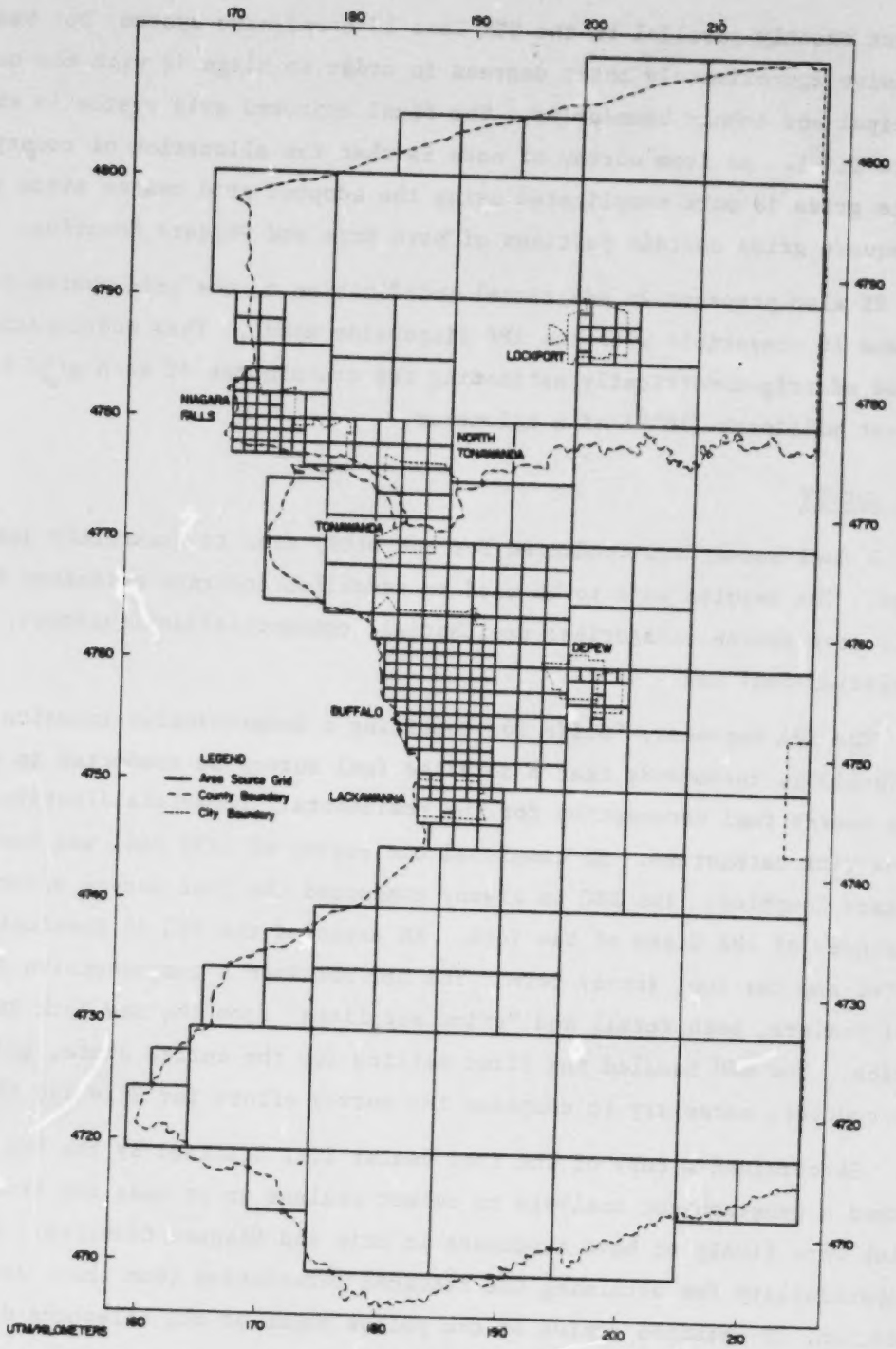


Figure III-1. Niagara Frontier master grid system for area sources.

and cover letters to each additional dealer with a stamped self-addressed return envelope. A copy of the cover letter and fuel survey form are contained in Appendix F.

Our objective was to make sure that no dealers were overlooked in trying to accumulate fuel sold to end users. We believe these cross-checks identified above have reduced the chance of missing large amounts of fuel sold in the 2-county area.

Dealers who did not respond within 3 to 4 weeks were mailed another fuel survey package. The package consisted of another letter from the DEC in Albany, an additional fuel survey form and a stamped self-addressed return envelope. A copy of the second-mailing cover letter is shown in Appendix F.

Any dealers who submitted fuel survey forms that were completed incorrectly or contained missing information were contacted by telephone and asked to supply the needed data. If the dealer could not provide sulfur or ash contents, his supplier was contacted to obtain that information.

Another follow-up phone call was made to those dealers who did not respond to the second mailing. For the most part the fuel dealers were cooperative and either indicated that the form would be completed in a short time or that no fuel survey package had been received. In the latter instance, another fuel survey package was mailed to a specified address to the attention of a specific individual rather than to the general address used in the first and second mailings. At times, all necessary information was provided by a dealer over the telephone and subsequently placed on a fuel survey form by ES personnel.

Of all dealers identified as having possible sales of fuel to end users in the Niagara Frontier, there were 77 dealers who responded to the survey and indicated that they had sales of fuel in 1975 to residential, commercial/institutional, or industrial customers in the Niagara Frontier. For various reasons, 13 dealers chose not to respond to the survey. In our estimation, ten of them probably had customers in either Erie or Niagara County. The

ten were all judged to be small dealers with the exception of two coal dealers. These companies had central offices in other cities and indicated by phone that they only had sales to industrial or institutional customers. This fact was considered when determining the final area source fuel usage. Three of the remaining 8 recalcitrant dealers were assumed to sell coal, two were assumed to sell oil, and the other three liquified petroleum gas. Only one dealer verbally refused to cooperate in the fuel survey effort.

Because all identified fuel dealers that had significant sales responded to the fuel survey, the survey totals for 1975 shown in Table III-1 are assumed to be complete for analysis purposes with the exception of institutional and industrial coal. The data shown in the table were compiled from the individual survey forms received by Engineering-Science and by the DEC in Albany as of May 20, 1977.

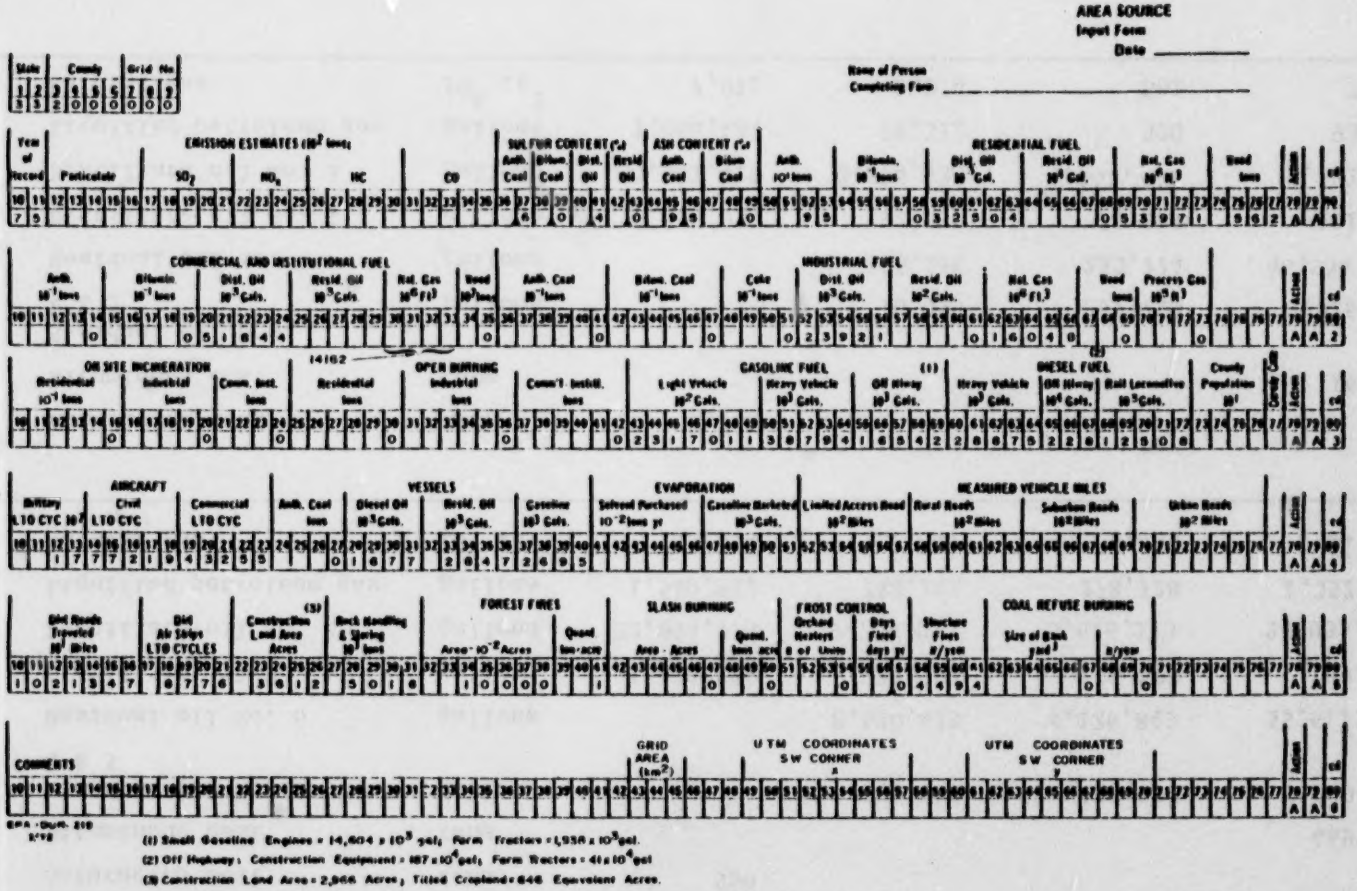
AREA SOURCE COUNTY TOTALS AND SUBCOUNTY ALLOCATIONS

The following sections discuss the data sources and methodology used in the evaluation and allocation of the 27 categories of area sources that emit particulates and sulfur dioxide. The procedures described in the EPA Guidelines documents were followed by ES in developing county totals and subcounty allocations. When the Guidelines specified more than one level of analysis, ES used the highest possible level in order to provide the most accurate estimates.

Figures III-2 and III-3 are the final area source load sheets for Erie and Niagara Counties utilized in the analysis. The forms used are the basic NEDS area source input forms modified for units and the inclusion on the comment card of the stack height, grid area, and UTM coordinates of the southwest corner of the grid. Stationary fuel combustion sources, which typically have relatively large plume heights compared to the other area source categories, did not contribute significantly to the total area source inventory. Therefore, ES recommended that the standard plume height for area sources of 33 feet be used in the dispersion analysis. The area source

TABLE III-1. SUMMARY OF RESULTS OF THE SURVEY OF 1975 FUEL SALES IN THE NIAGARA FRONTIER

COUNTY	FUEL TYPE	UNITS	CUSTOMER TYPE			
			RESIDENTIAL	COMMERCIAL	GOVERNMENTAL	INDUSTRIAL
Erie	Anthracite coal	tons	950			
	Bituminous coal	tons				469,600
	Residual oil Nos. 4 & 5	gallons		568,739	452,677	5,309,546
	Residual oil No. 6	gallons		8,690,479	8,126,843	55,617,935
	Distillate oil No. 1	gallons	1,636,209	622,598	16,583	190,358
	Distillate oil No. 2	gallons	22,064,775	9,759,913	3,626,173	24,035,148
	Liquified petroleum gas	gallons	1,540,922	748,143	278,728	1,352,182
	Natural gas	10^6 ft^3	53,834	12,760	3,588	21,230
Niagara	Anthracite coal	tons	2,765			
	Bituminous coal	tons				16,886
	Residual oil Nos. 4 & 5	gallons		10,085	257,723	2,326,736
	Residual oil No. 6	gallons		373,286	233,774	46,954,505
	Distillate oil No. 1	gallons	3,665,050	92,237	22,829	151,603
	Distillate oil No. 2	gallons	34,581,415	2,694,535	1,465,793	8,782,779
	Liquified petroleum gas	gallons	1,066,184	72,312	300	93,309
	Natural gas	10^6 ft^3	7,072	2,074	801	7,150

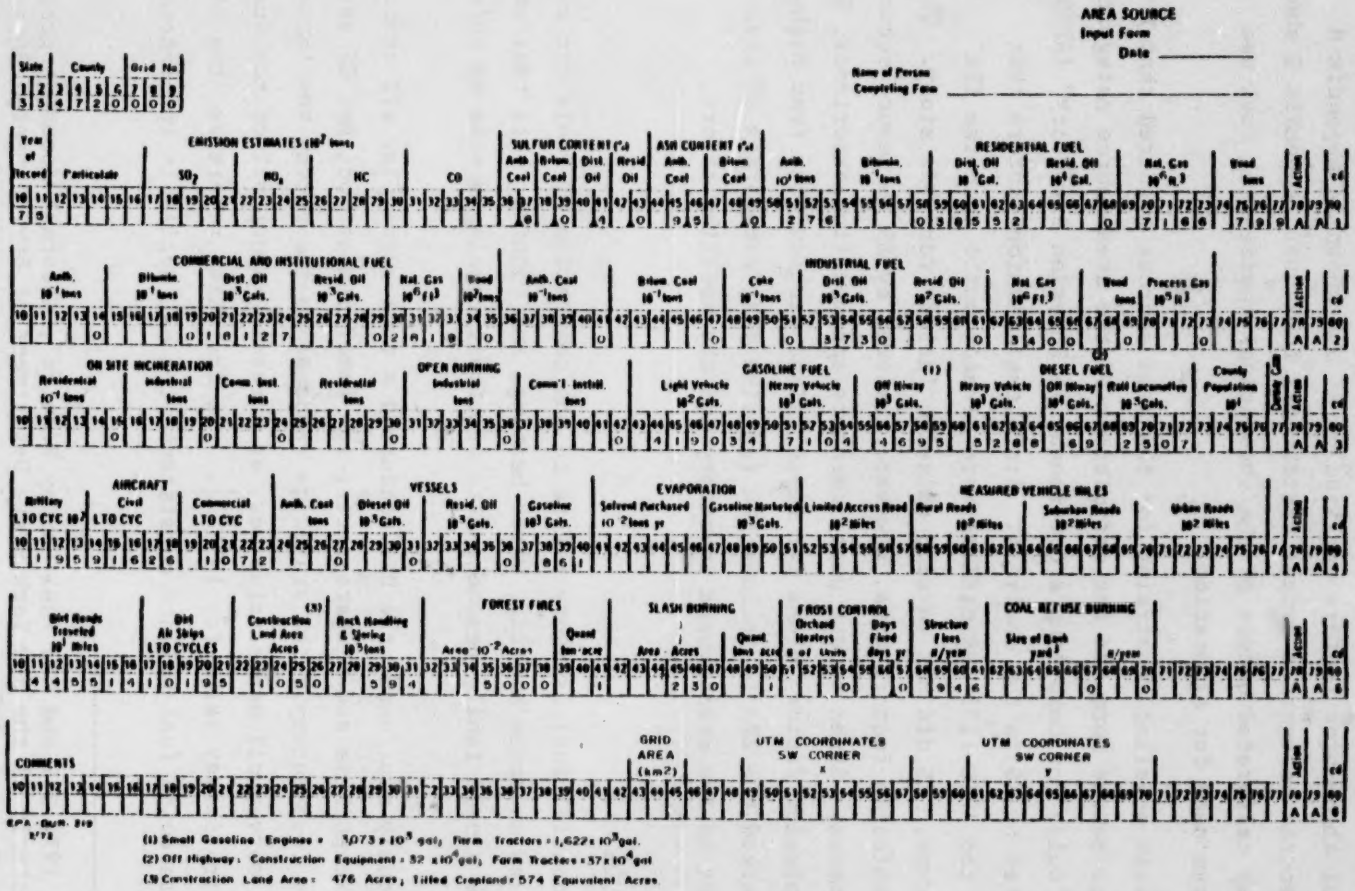


(1) Small Gasoline Engines = 14,604 x 10^3 gal; Farm Tractors = 1,938 x 10^3 gal.

(2) Off Highway: Construction Equipment = 187 x 10^4 gal; Farm Tractors = 41 x 10^4 gal

(3) Construction Land Area = 2,966 Acres; Tilled Cropland = 846 Equivalent Acres.

Figure III-2. Erie County area source input data.



(1) Small Gasoline Engines = 3.073 x 10⁵ gal; Farm Tractors = 1,622 x 10³ gal.

(2) Off Highway: Construction Equipment = 52 x 10⁶ gal; Farm Tractors = 57 x 10⁶ gal

(3) Construction Land Area = 476 Acres; Tilled Cropland = 574 Equivalent Acres

Figure III-3. Niagara County area source input data.

categories which were not a part of this study were left blank on the NEDS load sheet.

The actual allocation factors utilized by ES are shown in Appendix H for all area source categories except residential fuel use. Appendix G shows the fuel survey calibrated output of the theoretical residential fuel use computer program used for allocation.

A dispersion modeling constraint for the area sources required that the basic NEDS area source form and the definitions of the area source categories contained in "Guide for Compiling a Comprehensive Emission Inventory" (APTD-1135) be adopted by ES in the analysis. Since the emission factors that correspond to the APTD-1135 definitions were already built into the EPA computer programs, ES did not develop emission factors for this study. The proposed EPA emission factors were, however, reviewed by ES to insure accurate emission estimates. Based on our past inventory and modeling experience, ES recommended emission factor values for re-entrained particulates from highway vehicles and urged the EPA to include the fugitive dust categories of area sources as part of the area source inventory and the modeling effort.

Residential Fuel

The residential fuel category refers to the combustion of fuels for such residential uses as space heating, water heating, and cooking. All residential dwellings from single family residences to apartment complexes make up this category.

As previously mentioned, the DEC conducted a fuel survey for all counties in New York except Erie and Niagara during the same time period that ES was conducting its fuel survey. The statewide response to the survey was incomplete and the survey oil usage value was, as a result, about 81% of the State Mineral Industry Survey value for 1975[1]. In the cited reference, the DEC performed a statewide fuel balance consistent with all available information.

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(1) "Adjusted 1975 Oil and Gas Fuel Survey Results", internal document prepared by Tom Easterly of the New York State Department of Environmental Conservation Albany, N. Y., July 1977.

The DEC made use of the AIR 100 data and information from the Mineral Industry Survey and the Census of Manufacturers to adjust the survey oil usage values. The adjusted values will be used by the DEC in their modeling and planning efforts. In order to ensure that data on fuel use for all counties in the State remained consistent with the State totals, the values calculated by DEC were substituted for the corresponding fuel survey values. The change only affected distillate and residual oil values for residential, commercial/institutional, and industrial categories. Hereafter, the ES fuel survey modified in this fashion will be referred to simply as the fuel survey. The substituted values are provided in Table III-2.

The AIR 100 file showed no residential point source fuel use; the fuel survey residential fuel use was then the residential area source fuel use. The county total fuel amounts obtained from the fuel survey (Tables III-1 and 2) were compared to values obtained from the Guidelines Volume 13 procedures for estimating residential fuel usage. These procedures were based on dwelling unit and house heating fuel data from the 1970 census, heating degree days, and an assumed heating requirement. ES has computerized this technique which we have used in the allocation of total county fuel. Using the same general method, the DEC made estimates of total county fuel use by hand calculation.

TABLE III-2. ADJUSTED FUEL SURVEY VALUES PROVIDED BY THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

ERIE COUNTY	FUEL	RESIDENTIAL	GOVERNMENT/ COMMERCIAL	INDUSTRIAL
	#1 - 2 Oils (10^3 Gal.)	32,504	55,628	29,926
	#4 - 5 Oils (10^3 Gal.)	0	1,022	5,310
	#6 Oil (10^3 Gal.)	0	19,404	116,025
NIAGARA COUNTY	**FUEL**	**RESIDENTIAL**	**GOVERNMENT/ COMMERCIAL**	**INDUSTRIAL**
	#1 - 2 Oils (10^3 Gal.)	38,552	18,224	9,027
	#4 - 5 Oils (10^3 Gal.)	0	268	2,327
	#6 Oil (10^3 Gal.)	0	700	54,072

When these estimated fuel usages were compared to the fuel survey results, we found that the quantities of a given fuel type were inconsistent. The fuel survey showed more natural gas, and the techniques for estimation, which were based on 1970 census data, suggested more coal usage. This was expected since conversations with coal dealers during the fuel survey indicated that a rapid decrease in coal usage had occurred since 1970 especially in Erie County. The total BTUs of heat corresponding to the fuel survey amounts exceeded the total BTU from either of the estimating techniques. This comparison served to verify the accuracy of the fuel survey with respect to fuel split by type and revealed the conservative nature of the fuel survey from a BTU standpoint.

As previously mentioned, the Guidelines Volume 13 procedures were used for allocation of residential fuel. The basic data were obtained from the 1970 census and the National Weather Service. Census tract values for dwelling units per structure and municipality values for house heating fuel were allocated to the master grid cells based on the percentage of the census tract or municipality within a grid cell. The National Weather Service at Buffalo International Airport provided the 1975 heating degree day value of 6,354. The theoretical fuel use values calculated using the Volume 13 computer program were then "calibrated" with the fuel survey results. The output of the residential allocation program is provided for reference in Appendix G.

Commercial/Institutional Fuel

The commercial/institutional fuel category refers to the combustion of fuels for such purposes as space heating, water heating, cooking, etc. Retail and wholesale stores, schools, hospitals, government and public buildings, churches, restaurants, and similar establishments make up this category.

In order to determine the area source fuel usage by this category, a type of fuel balance must be conducted in which the AIR 100 point source fuel usage is subtracted from the total fuel usage reported in the fuel survey. ES calculated an approximate point source usage based on all available information. The subtraction of these values from the fuel survey totals produced a negative fuel use (more fuel in the point source inventory

than was sold) for coal and residual oil. The coal discrepancy was expected since at least two out-of-state dealers did not provide sales data. ES reasoned that all coal users belonging to this area source category emitted sufficient pollutants to be required to obtain a permit or certificate and thus be in the point source inventory. The DEC also believed this to be the case, which led to the conclusion that there was no commercial/institutional area source coal usage in the study area.

With regard to residual oil, it was concluded that the area source usage in the study area was also zero. Although the residual oil used by C/I sources in the AIR 100 file exceeded the fuel survey amount, the magnitude of the discrepancy appeared to be within the accuracy of the survey and AIR 100 data. Further explanations are provided in the discussion of the light industrial category. Because the area source residual oil and coal usage was zero, emissions from the C/I category for these fuels were included only as part of the point source inventory. Figures III-2 and III-3 contain the final area source usage of other fuels by this category.

Allocation of each of the fuels was made using 1972 wholesale, retail, and service employment data provided by the Niagara Frontier Transportation Committee (NFTC) by traffic analysis zone. The traffic analysis zone data were allocated to the grid cells based on the area of the traffic analysis zone within a grid cell.(1) This assumed uniform employment within each traffic analysis zone. The New York State Department of Labor (DOL) employment data corresponding to ten facilities in the point source inventory were subtracted from the grid in which the point source was located. In 20 cases that no data could be found in the DOL statistics, ES applied a county average BTU usage per C/I employee to the fuel usage at each facility to estimate employees. The resulting allocation factors for each grid are provided in Appendix H.

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(1) There were over 500 traffic analysis zones which were fit into our grid system which contained 315 cells.

Light Industrial Fuel

The light industrial fuel category refers to the combustion of fuels by manufacturing industries regardless of size for uses such as space heating or other in-plant operations. The same type of fuel balance described for the C/I category was made for industrial fuel use in order to determine the area source fuel usage. As previously indicated, ES calculated an approximate point source fuel usage based on data available at the time since the point source update had not yet been completed. The subtraction of these values from the fuel survey totals produced a negative fuel use for coal and residual oil as was the case with the C/I fuel balance. For the same reasons, it was concluded that the light industrial area source coal usage was zero.

With respect to residual oil, as was the case for the C/I category, the discrepancy in the estimated AIR 100 usage and the fuel survey amounts were not deemed significant considering the methods employed to arrive at the two sets of numbers. In addition, facilities which have a maximum operating rate of one million BTU per hour or greater (approximately 20,000 or more gallons of residual oil per year) were required to obtain a permit or certificate and thus would be included in the point source inventory. It would be impractical from a plant cost standpoint for a smaller facility to utilize number 6 oil. Because the area source residual oil and coal usage was zero, emissions from the industrial category for these fuels were included only as part of the point source inventory. Figures III-2 and III-3 contain the final area source usage of other fuels by this category.

The sulfur and ash contents shown in the figures were obtained by calculating a weighted average of the data supplied on the fuel survey form for all user categories. These sulfur and ash contents will be utilized with EPA emission factors and applied to residential, C/I, and light industrial categories.

Allocation of each of the fuels was made using 1972 manufacturing employment data provided by the Niagara Frontier Transportation Committee (NFTC) by traffic analysis zone. The traffic analysis zone data were allocated to the grid cells based on the area of the traffic analysis zone within a grid cell. This assumed uniform employment within each traffic analysis zone.

The New York State Industrial Directory employment data corresponding to facilities in the point inventory were subtracted from the grid in which the point source was located. Because the two sets of employment data did not have the same data base, some grids had a negative resulting employment. In these cases, zero employment was assumed for the grid. The employment values and resulting allocation factors for each grid are provided in Appendix H.

On-Site Incineration

On-site incineration refers to the combustion of waste material in "small" incinerators such as those used at grocery and department stores, hospitals, schools, and banks which would not be included in the point source inventory. The DEC indicated that all sources of this type are subject to their Permit-to-Construct and Certificate-to-Operate requirements. With the concurrence of the DEC, it was assumed that all such sources were included in the point source inventory.

Open Burning

This source category includes such operations as backyard, construction, land clearing, and fire training burning where combustion products are emitted directly into the atmosphere without passing through a stack or a chimney. Open burning of any type is prohibited in Erie County (an exception was granted to AMAX Specialties to burn 175 pounds per day of zirconium in 1975) and only agricultural burning is allowed in Niagara County which is included in the slash burning category. It was, therefore, assumed that no open burning occurred in the study area in 1975.

Gasoline Fuel-Light Vehicle

This category not only represents fuel combustion but also can be used to represent tire wear and re-entrainment of road surface particulate matter. The New York State Department of Transportation (DOT) provided total county and traffic analysis zone vehicle-miles travelled data which were representative of 1975 conditions. These vehicle-miles travelled data included expressway, arterial, and local street traffic. The Niagara Frontier Transportation Committee (NFTC) provided 1962 data concerning percent heavy duty vehicle trips in each traffic

district, which is an aggregation of traffic analysis zones. Although several years old, this was the most detailed and best available data. Miles travelled by light vehicles in each traffic analysis zone was calculated using this split and summed for all traffic analysis zones to obtain the county total miles travelled. An average gasoline consumption of 13.6 miles per gallon as suggested in APTD-1135 was utilized to determine the total county light vehicle gasoline consumptions shown in Figures III-2 and III-3.

To obtain the allocation factors provided in Appendix H, the miles travelled by light vehicles in each traffic analysis zone, as previously calculated, were allocated to the area source grids based on the area of the traffic analysis zone within a grid. This assumes uniformity of miles travelled within the traffic analysis zones.

Gasoline Fuel-Heavy Vehicle

As with the light vehicle category, this category relates to fuel combustion, tire wear, and re-entrainment of road surface particulate matter. Similarly, the DOT and NFTC data were used to determine miles travelled by traffic analysis zone for heavy vehicles. These values were summed for all traffic analysis zones to obtain the county total miles travelled. The county total vehicle-miles for heavy vehicles was divided into gasoline and diesel vehicle-miles according to the state-wide split derived from the 1972 Census of Transportation for the State of New York. An average gasoline consumption of 8.4 miles per gallon as suggested in APTD-1135 was used to determine the total county heavy vehicle gasoline consumptions shown in Figures III-2 and III-3.

Using the same assumptions applied to the light gasoline vehicle category, the heavy gasoline vehicle-miles travelled in each area source grid was calculated. The vehicle-mile data for each grid and the corresponding allocation factors are provided in Appendix H.

Gasoline Fuel-Off-Highway

This category refers to the combustion of gasoline by farm tractors, lawnmowers, garden tractors, snowmobiles, etc. Farm tractor fuel usage data were obtained from a New York State Department of Agriculture and Marketing survey of 1973 fuel usage for agricultural purposes. It was reasoned that 1975 fuel usage would not differ greatly from 1973 fuel usage and that in the final analysis utilization of the 1973 data would probably result in conservative estimates of fuel used. The remaining small gasoline engine fuel usage was estimated using the APTD-1135 guideline of 13 gallons per person per year and the State Economic Development Board county populations for 1975. Figures III-2 and III-3 show the gasoline consumptions separately for farm tractors and small gasoline engines, and the county total on each figure represents the sum of the two categories.

The 1970 census data for number of families with farm income by census tract were utilized in obtaining the allocation factors for farm tractors. The census tract data were distributed to traffic analysis zones based on proportion of NFTC 1973 population and allocated to grids using percent of traffic analysis zone area within a grid. NFTC 1973 population by traffic analysis zone was used to determine the area source grid allocation values for the remaining small gasoline engines in the same manner. The allocation factors for each of the categories are shown in Appendix H in addition to the allocation factors that resulted from the combination of the two categories.

Diesel Fuel-Heavy Vehicle

The heavy vehicle diesel fuel category represents fuel combustion, tire wear, and re-entrainment of road surface particulate matter. As explained in previous sections, the miles travelled by heavy diesel vehicles in each county was obtained from the DOT vehicle-miles travelled data, the NFTC percent truck trips, and the Census of Transportation gasoline-diesel split. An average diesel fuel consumption of 5.1 miles per gallon as suggested in APTD-1135 was used to determine the total county heavy vehicle diesel fuel consumptions shown in Figures III-2 and III-3.

The same factors used to allocate heavy vehicle gasoline fuel were applied to the heavy vehicle diesel fuel category. The vehicle-mile values and resulting allocation factors are provided in Appendix H.

Diesel Fuel-Off Highway

This category applies to the combustion of diesel fuel by farm tractors, construction equipment, emergency generator power units, compressor engines, etc. The farm tractor diesel fuel usage was obtained from the New York State Department of Agriculture and Marketing survey of fuel used for agricultural purposes as was the case with the gasoline farm tractor category. The construction equipment fuel usage for the State of New York was obtained by subtracting the New York Department of Agriculture fuel survey values for the entire state from the total off-highway diesel fuel usage reported in the 1975 Mineral Industry Survey. The resulting state total was disaggregated to Erie and Niagara Counties on the basis of the percentage of the total state heavy construction employment that each contained. The employment figures were obtained from the 1973 Bureau of Census publication County Business Patterns. Sources such as emergency generator power units and compressor engines were either contained in the point source inventory or did not exist in 1975. Figure III-2 and III-3 show the gasoline consumptions separately for farm tractors and construction equipment, and the county total on each figure represents the sum of the two categories.

Diesel farm tractor fuel usage was allocated in the same manner described for gasoline farm tractors. NFTC 1972 construction employment by traffic analysis zone was used to determine the area source grid allocation values for construction equipment based on percent traffic analysis zone area within a grid. Though these data reflected conditions nearly three years before 1975, it was reasoned that the 1972 data would produce substantially the same

allocation as more recent data. The allocation factors for each of the categories are shown in Appendix H in addition to the allocation factors that resulted from the combustion of the two categories.

Diesel Fuel-Railroad

Area source emissions from railroad operations are divided into long-haul locomotive and switch-yard operations. The DEC had obtained an estimate of switch-yard fuel usage during an earlier study. Of the five companies operating in the Niagara Frontier, the Norfolk and Western, Chesapeake and Ohio, and Baltimore and Ohio provided estimates of fuel usage split by type of operation and county. Conrail provided a list of the average number of trains per day for their main rail lines. Estimates of the number of trains per day were obtained from the Official Railway Guide for AMTRAK. Fuel usage for Conrail and AMTRAK was estimated by multiplying the number of train-miles/year by 9 gallons/train-mile (8 gallons/train-mile for long-haul operations and 1 gallon/train-mile for switch-yard operations). The estimated 9 gallons of fuel used per train-mile is based upon a study by Southwest Research Institute (SRI) and is confirmed by data from Statistical Abstracts of the United States. The total county usage from rail operations is summarized in Figures III-2 and III-3.

The estimated fuel usage for each of the main lines was distributed to the individual grids in accordance with the proportion of the main line's length lying in the grid. Switch-yard fuel usage was distributed to the grids in which the major yards are located. The estimates of switch yard fuel usage for Conrail and AMTRAK were increased so that the total switch-yard fuel usage would equal the values reported by the DEC, because there are, doubtless, significant switch-yard operations associated with port activity rather than long-haul locomotive operations. Appendix H lists the individual allocation factors.

Aircraft

The aircraft category represents fuel consumption during ground operations of idle, taxi, landing, and takeoff and flight operations below 3,500 feet. The publication entitled FAA Air Traffic Activity for calendar year 1975 provided operational data for airports with FAA-regulated control towers. An operation as defined by the FAA is a landing or takeoff; therefore, the number of operations was divided by two to get the LTO units required for the area source input form. The State DOT provided 1975 operational data for the remaining airports in the two-county area with four exceptions. In these cases, the airport operator was contacted by telephone to obtain the number of 1975 operations. The total county LTOs for military, civil, and commercial aircraft shown in Figures III-2 and III-3 were obtained by summing the data for individual airports.

LTOs were assigned to the grid cell in which the airport was located. The LTO operations and the resulting allocation factors are contained in Appendix H.

Vessels

Waterborne Commerce of the United States provided data for calculating fuel usage by vessels. It was assumed that no vessels burn coal and that the ratio between diesel and residual would be the same as for the State of New York as provided by the Mineral Industry Survey. The procedures outlined in APTD-1135 were used. Fuel usage for vessels underway was estimated using an average factor of 590 BTU/ton-mile.(1) The New York State Office of Parks and Recreation provided data on the number of recreational vessels used in Niagara and Erie Counties based on state registration by county of principal usage. The average fuel consumption estimate provided by APTD-1135 was used to calculate total county fuel usage by recreational vessels. County total fuel usage by vessels is listed in Figures III-2 and III-3.

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(1) Based on values of 500 and 680 BTU/ton-mile reported in The Effect of Fuel Price Increases on Energy Intensiveness on Freight Transport, RAND Corporation, 1971, and Energy Intensiveness of Passenger and Freight Transport Modes, Oak Ridge National Laboratory, 1973, respectively.

In-port fuel usage was allocated to the individual port facilities based on data from Waterborne Commerce of the United States. Fuel usage by vessels in transit was allocated in accordance with the length of waterway traversed. A separate grid of 10 by 10 kilometers (number 316) located 5 kilometers from the harbor in Lake Erie was designated as the area source for vessel activity in the Lake. Recreational vessel fuel usage was allocated to grids bordering Lake Erie, Lake Ontario and the northern portion of the Niagara River in accordance with the length of shoreline. These allocation parameters are listed in Appendix H.

Dirt Roads Travelled

The Data Services Bureau, NYS Department of Transportation, provided a computer listing of town and village and city unpaved roads in the Local Highway System Inventory. The NYSDOT Regional Maintenance Engineer in Buffalo estimated an average of 27.8 cars/day on town roads travelling at an average speed of 40 mph and 13.9 cars/day on village and city roads with an average speed of 15 mph. The lengths of village and city unpaved roads were reduced to reflect their lower average cars/day and speed. The county total vehicle-miles travelled for Erie and Niagara Counties are listed in Figures III-2 and III-3.

The Regional Maintenance Engineer in Buffalo provided a set of maps of local roads which were used to allocate unpaved road vehicle-miles to the grid system. Any roads that could not be located were assigned to grids within the proper jurisdiction based upon the distribution of roads that were located. These unlocatable roads were very minor, however, compared to the ones that were located. The allocation factors are listed in Appendix H.

Dirt Airstrips

This category refers to dust generated from LTOs on dirt airstrips or taxiways. Operations at these types of airstrips were obtained from the State DOT 1975 operations data described in the aircraft section. Figures III-2 and III-3 show the county totals that were obtained from the aggregation of individual airstrip information.

As was the case with aircraft LTOs, the dirt airstrip LTOs were assigned to the grid in which the airstrip was located. The grid cell LTOs and resulting allocation factors are provided in Appendix H.

Construction Land Area

This category pertains to dust generated from construction and agricultural activities. The New York State contract construction value for 1975 from the Statistical Abstracts was apportioned to each county based on the county to state ratio of contract construction employment obtained from County Business Patterns. Construction acreage for each county was determined making use of factors of construction acreage per million dollars of contract construction value suggested in the EPA publication Development of Emission Factors for Fugitive Dust Sources. The 1974 Census of Agriculture provided tilled cropland acreage. Figures III-2 and III-3 show the acreages separately for construction and agricultural activities. The county totals given on the figures are the sum of the construction acreage and the weighted agricultural tilling acreage. Because the emission factor for tilling is significantly less than that for construction, the tilled acreage was multiplied by the ratio of the estimated emission factors for tilling and for construction.

For the allocation of construction land area, the same factors were used as described for the diesel construction equipment. Agricultural tilling acreage (weighted) was allocated in the same manner as farm tractors. The allocation factors for each of the categories are shown in Appendix H in addition to the allocation factors that resulted from the combination of the two categories.

Rock Handling and Storing

This category represents dust emissions from storing and handling of crushed stone or gravel. Mined land reclamation permit data from the New York State DEC in Buffalo provided the location, acreage, and type of material mined in 1975. The point source inventory supplied data on tons of material processed by the larger operations. From this information, factors of average

tons processed per acre were estimated and applied to all operating mines. The sum of the estimated tons processed by all operations in each county produced the county totals shown in Figures III-2 and III-3.

The tonnages of material processed were assigned to the grid in which the mining operation was located. The tons processed by grid and the resulting allocation factors are provided in Appendix H.

Forest Fires

This category pertains to emissions that result from wild forest fires. The DEC Regional Forester provided data on forest fires in 1975. He indicated that only small brush fires occurred and that they were located near populated areas outside of the Metropolitan Buffalo area. For this type of fire, he estimated that one ton of material was burned per acre. Figures III-2 and III-3 contain the county total forest fire parameters.

Allocation was made to the 100 square kilometer grids (these are the most remote in relation to the Metropolitan Buffalo area) based on the 1973 NFTC population data within the grid. This corresponds to the location information supplied by the Regional Forester. The allocation factors are provided in Appendix H.

Slash Burning

This category pertains to the agricultural burning activities that occurred in Niagara County in 1975. The data used for this category was extracted from the burning permits maintained by the DEC in Buffalo. In most cases, the amount of material burned was not provided on the permits. ES estimated the amounts burned based on other information provided on the permit such as type of material, size of piles burned, and number of days of burning. The county total shown in Figure III-3 represents the sum of the amounts estimated for each permit.

The permit provided the approximate location of each fire. The amount of material burned was assigned to the grid in which the burning took place. The resulting allocation factors are provided in Appendix H.

Frost Control

This category refers to the combustion of fuels in orchards or in locations of other agricultural activities for the prevention of frost damage. The county agricultural agents indicated that no fuel burning heaters were utilized for this purpose in Erie or Niagara County. It was therefore assumed that no frost control burning occurred in the study area in 1975.

Structural Fires

This category pertains to emissions resulting from building fires in the study area. The New York State Fire Reporting System collected data furnished voluntarily by fire departments in Erie and Niagara Counties. Unfortunately many fire departments, including those in the City of Buffalo, failed to respond. The only summarized data available from the respondents was for half of calendar year 1976. Therefore, the number of structural fires in 1975 was estimated based on the nationwide average of 4 fires per 1,000 population (APTD-1135) and the Economic Development Board 1975 county populations. Figures III-2 and III-3 show the total number of structural fires for the counties.

Allocation was made according to the NFTC 1973 populations estimated for each grid by the method previously described. The allocation factors are provided in Appendix H.

Coal Refuse Burning

Coal refuse burning refers to the refuse piles produced as a result of coal mining operations that have been ignited by spontaneous combustion or acts of humans. No burning refuse pile existed in Erie or Niagara County according to information supplied in Bureau of Mines Information Circular 8515 and Bureau of Mines Mineral Industry Survey of coal mining operations. It was, therefore, assumed that there were no burning coal refuse piles in Erie or Niagara County in 1975.

CHAPTER IV

SUMMARY

1. Engineering-Science updated the point and area source inventories for the Niagara Frontier Air Quality Control Region which is made up of Erie and Niagara Counties in the State of New York. Two pollutants were analyzed: particulate matter and sulfur dioxide (SO_2). In conducting the study, ES worked closely with New York State Department of Environmental Conservation (DEC) engineers in Buffalo and Albany. Further coordination was required with the two county air pollution control agencies and the several planning agencies to obtain data used to develop the inventories for the study year 1975.

2. The point sources were updated using two approaches. A cursory analysis was made for all point sources on the original DEC master inventory file (approximately 3,000). The cursory analysis included checks for missing data, fuel usage, erroneous stack parameters and emission estimates. A second analysis was completed for those point sources identified by the DEC as having more than 25 tons of particulate or SO_2 emissions per year. For these sources ES used data available from the DEC, fuel usage reports, questionnaires to the plant operator and other means to accurately identify emissions. The comprehensive analysis was completed for more than 260 point sources. A historical file was also established by ES that reflected emission conditions of calendar year 1975. The 'downtime' of the air pollution control equipment was considered by ES in accurately defining 1975 emission levels. The DEC AIR 100 computer system was used to make the actual updates of the point source file.

3. ES followed the highest order (most accurate) methodology in developing the subcounty area source inventory. There were 316 symmetrical grid cells in the two-county study area. The square cells ranged in size from 1 kilometer on a side (for areas like the city of Buffalo) to 10 kilometers for the most rural parts of the county. ES was to provide all area source base data (e.g., gallons of oil used for residential heating), and EPA was to use their emission factors in the NEDS computer system to quantify the emissions.

4. The following list summarizes the deliverable products from ES in meeting our contractual obligations:

- o 1,400 cursory update computer cards to the DEC
- o 3,770 comprehensive update computer cards to the DEC
- o 1,896 NEDS area source computer cards to the DEC and the EPA
- o tabulations of Source Classification Codes for all industrial processes analyzed to the DEC
- o tabulations of Implementation Planning Program codes to the EPA for all sources analyzed during the comprehensive update
- o list of 203 possible missing point sources to the DEC
- o listings of all point source update cards generated by ES to the DEC and the EPA
- o computer listing of the theoretical residential area source fuel use to the DEC and the EPA
- o copies of all fuel survey forms obtained by ES to the DEC
- o computer listing of all area source allocation factors to the DEC and the EPA
- o computer printout in NEDS format of area source totals for each of the 316 area source grid cells
- o letter containing ES emission factor recommendations to the DEC and the EPA
- o biweekly progress reports to the DEC and the EPA
- o final report summarizing ES efforts to the EPA

The DEC agreed to provide the EPA with a NEDS card image tape of all point sources in Erie and Niagara Counties. This tape was to be generated from the updated New York State files.

APPENDIX A

POINT SOURCES ANALYZED FOR THE CURSORY UPDATE

AIR POLLUTION SOURCE MANAGEMENT SYSTEM

REPORT DIRECTORY

SCC CODE	FACILITY NAME	LOCATION	FACILITY	EP	UNIT	REGION	PAGE
3-04-007-06	BUFFALO BRAKE BEAM CO	140230	0026	00007	I		1
	BATTENFELD-AMERICAN	140200	0072	00083	C C		3
	BEMIS CO INC	140200	0151	00001	C A		6
	BEMIS CO INC	140200	0151	00001	C B		7
	BIRGE CO INC	140200	0169	00002	C A		10
	BIRGE CO INC	140200	0169	00002	C B		11
	BUFFALO WEAVING & BELTING	140200	0222	00001	C A		14
	BUFFALO WEAVING & BELTING	140200	0222	00002	C B		17
	BUFFALO WEAVING & BELTING	140200	0222	00003	C C		20
	BUFFALO EVENING NEWS	140230	0230	00E77	C B		23
	BUFFALO EVENING NEWS	140200	0230	00E77	C C		24
	GEN MOTORS CORP	140200	0338	00030	C A		27
	GEN MOTORS CORP	140200	0338	00031	C B		30
	GEN MOTORS CORP	140200	0338	00032	C C		33
3-02-007-06	WORTHINGTON-CFI INC	140230	0375	00021	I		36
	CPC INTERNATIONAL INC	140200	0393	00002	C A		38
	CPC INTERNATIONAL INC	140200	0393	00002	C B		39
	CURBELL INC	140200	0404	00001	C A		42
	FEDDERS CORP	140200	0551	00019	C B		45
	FEDDERS CORP	140200	0551	00020	C B		48
	FEDDERS CORP	140200	0551	00020	C C		49
3-02-007-30	GENERAL MILLS INC	140230	0619	00011	I		52
3-02-007-30	GENERAL MILLS INC	140200	0619	00015	I		55
3-02-007-30	GENERAL MILLS INC	140200	0619	00025	I		58
3-02-007-30	GENERAL MILLS INC	140230	0619	00027	I		61
	GENERAL MILLS INC	140200	0619	00029	I		64
	GENERAL MILLS INC	140200	0619	00045	C A		67
3-02-007-30	GENERAL MILLS INC	140200	0619	00045	C B		68
	DANTE FOODS	140200	0619	0025A	I		71
	DANTE FOODS	140200	0636	00001	C A		74
	HANNA FURNACE CORP	140200	0636	00001	C B		75
	HANNA FURNACE CORP	140200	0684	00B11	C B		78
	HANNA FURNACE CORP	140200	0684	00C12	C C		81
	HANNA FURNACE CORP	140200	0684	00D13	C D		84
	HANNA FURNACE CORP	140200	0684	00003	C E		87
	HANNA FURNACE CORP	140200	0684	00004	C E		90
	HEWITT ROBBINS INC	140200	0684	00007	C E		93
	HEWITT ROBBINS INC	140200	0722	00001	C A		96
	HEWITT ROBBINS INC	140200	0722	00001	C B		97
	WESTVACO CORP	140200	0722	00001	C C		98
	WESTVACO CORP	140200	0725	00001	C A		101
3-03-013-01	HOOVER & STRONG INC	140200	0725	00001	C B		102
4-05-001-01	HOUDAILLE CONSTRUCTION MTL	140200	0731	00005	I		105
4-01-002-02	HOUDAILLE CONSTRUCTION MTL	140200	0732	AM001	I		107
4-01-002-02	HOUDAILLE CONSTRUCTION MTL	140200	0732	DE015	I		109
4-02-001-01	HOUDAILLE CONSTRUCTION MTL	140200	0732	DE017	I		111
4-02-001-01	HOUDAILLE CONSTRUCTION MTL	140200	0732	PA011	I		113
3-01-018-99	HOUDAILLE CONSTRUCTION MTL	140200	0732	PA012	I		115
	HOUDAILLE CONSTRUCTION MTL	140200	0732	SP018	I		117
	HOUDAILLE CONSTRUCTION MTL	140200	0732	00013	C A		119
	HOUDAILLE CONSTRUCTION MTL	140200	0732	00013	C B		120
	HOUDAILLE CONSTRUCTION MTL	140200	0732	00013	C C		121
		140200	0732	00013	C D		122

AIR POLLUTION SOURCE MANAGEMENT SYSTEM

REPORT DIRECTORY

SCC CODE	FACILITY NAME	LOCATION	FACILITY	EP	UNIT	REGION	PAGE
3-01-023-01	ALLIED CHEMICAL CORP IND CHEM	140200	0748	00006	I		125
3-05-040-99	LOBUGLIO BLOCK COMPANY INC	140200	0912	00001	I		127
3-05-040-99	LOBUGLIO BLOCK COMPANY INC	140200	0912	00002	I		129
	MOBIL OIL CORP	140200	0982	00001	C	A	131
	MOBIL OIL CORP	140200	0982	00001	C	B	132
	MOBIL OIL CORP	140200	0982	00002	C	A	135
	MOBIL OIL CORP	140200	0982	00003	C	A	138
	MOBIL OIL CORP	140200	0982	00004	C	A	141
	MOBIL OIL CORP	140200	0982	00005	C	A	144
	MOBIL OIL CORP	140200	0982	00006	C	A	147
	MOBIL OIL CORP	140200	0982	00006	C	B	148
	MOBIL OIL CORP	140200	0982	00006	C	C	149
	MOBIL OIL CORP	140200	0982	00007	C	A	152
	MOBIL OIL CORP	140200	0982	00008	C	A	155
	MOBIL OIL CORP	140200	0982	00009	C	A	158
	MOBIL OIL CORP	140200	0982	00010	C	A	161
3-06-013-01	MOBIL OIL CORP	140200	0982	00014	I		164
3-06-999-99	MOBIL OIL CORP	140200	0982	00015	I		166
3-06-999-99	MOBIL OIL CORP	140200	0982	00016	I		168
3-06-999-99	MOBIL OIL CORP	140200	0982	00017	I		170
3-06-999-99	MOBIL OIL CORP	140200	0982	00018	I		172
3-06-008-05	MOBIL OIL CORP	140200	0982	00019	I		174
	NABISCO INC	140200	1009	00001	C	A	176
	NABISCO INC	140200	1009	00001	C	B	177
	NABISCO INC	140200	1009	00001	C	C	178
	NIAGARA MACHINE & TOOL WORKS	140200	1038	00001	C	A	181
	NIAGARA MACHINE & TOOL WORKS	140200	1038	00002	C	B	184
4-02-009-01	PAPAGON WIRE & CABLE CORP	140200	1089	00001	I		187
	PRATT & LAMBERT, INC	140200	1143	00001	C	A	190
	PRATT & LAMBERT, INC	140200	1143	00001	C	B	191
	PRATT & LAMBERT, INC	140200	1143	00001	C	D	192
4-02-009-01	PRATT & LAMBERT, INC	140200	1143	00001	I		193
	DAYTON MALLEABLE IRON CO INC	140200	1144	00002	C	A	197
	DAYTON MALLEABLE IRON CO INC	140200	1144	00002	C	B	198
3-04-009-99	DAYTON MALLEABLE IRON CO INC	140200	1145	00006	I		201
3-04-009-99	DAYTON MALLEABLE IRON CO INC	140200	1145	00007	I		204
3-04-009-99	DAYTON MALLEABLE IRON CO INC	140200	1145	00008	I		207
3-04-009-99	DAYTON MALLEABLE IRON CO INC	140200	1145	00009	I		210
3-04-009-99	DAYTON MALLEABLE IRON CO INC	140200	1145	00010	I		213
3-04-009-99	DAYTON MALLEABLE IRON CO INC	140200	1145	00014	I		216
3-04-009-99	DAYTON MALLEABLE IRON CO INC	140200	1145	00021	I		218
	REPUBLIC STEEL CORP	140200	1201	00001	C	A	220
	REPUBLIC STEEL CORP	140200	1201	00002	C	A	223
	REPUBLIC STEEL CORP	140200	1201	00009	C	B	226
	REPUBLIC STEEL CORP	140200	1201	00010	C	A	229
	REPUBLIC STEEL CORP	140200	1201	00019	C	D	232
	REPUBLIC STEEL CORP	140200	1201	00020	C	E	235
	REPUBLIC STEEL CORP	140200	1201	00020	C	F	236
	ROYAL BEDDING CO	140200	1233	00001	C	A	239
3-05-005-04	SCOTT CASTINGS CORP	140200	1268	0000A	I		242
	KRAFTCO CORP	140200	1273	00001	C	A	245
3-04-003-50	SHENANGO INC	140200	1293	0002A	I		248
3-04-003-50	SHENANGO INC	140200	1293	0003A	I		250

AIR POLLUTION SOURCE MANAGEMENT SYSTEM

REPORT DIRECTORY

SCC CODE	FACILITY NAME	LOCATION	FACILITY	EP	UNIT	REGION	PAGE
3-04-003-50	SHENANGO INC	140200	1293	3A000	I		252
	HARGET REALTY CORP INC	140200	1325	00001	C	A	254
	HARGET REALTY CORP INC	140200	1325	00001	C	B	255
	ANACONDA COMPANY	140200	1381	00011	C	A	258
	ANACONDA COMPANY	140200	1381	00011	C	B	259
	ANACONDA COMPANY	140200	1381	00011	C	C	260
3-02-005-02	PILLSBURY CO	140200	1407	002MT	I		263
	TRICO PRODUCTS CORP	140200	1451	00042	C	A	265
	TRICO PRODUCTS CORP	140200	1451	00042	C	B	266
3-05-010-01	WILLIAMS PAVING CO	140200	1554	00002	I		269
	COVERALL SERVICE & SUPPLY CO	140200	1588	00001	C	A	272
	COVERALL SERVICE & SUPPLY CO	140200	1588	00002	C	B	275
	BUFFALO MOSE DISTRIB CTR INC	140200	1593	00001	C	A	278
	BUFFALO MOSE DISTRIB CTR INC	140200	1593	00001	C	B	279
	BUFFALO MOSE DISTRIB CTR INC	140200	1593	00001	C	C	280
	ALLIED CHEM CORP SPEC CHEM DIV	140200	1609	20703	C	A	283
	ALLIED CHEM CORP SPEC CHEM DIV	140200	1609	20707	C	B	286
	ALLIED CHEM CORP SPEC CHEM DIV	140200	1609	20731	C	C	289
	QUAKER STATE OIL	140200	1616	00002	C	A	292
	QUAKER STATE OIL	140200	1616	00002	C	B	293
	QUAKER STATE OIL	140200	1616	00002	C	C	294
	TRICO PRODUCTS CORP PLANT #3	140200	1617	00002	C	A	297
	TRICO PRODUCTS CORP PLANT #3	140200	1617	00002	C	B	298
	TRICO PRODUCTS CORP PLANT #3	140200	1617	00002	C	C	299
3-03-008-99	US STEEL CO E LIMESTONE OPER	140200	1630	00001	I		302
	CHILDRENS HOSP	140200	1671	00001	C	A	305
	CHILDRENS HOSP	140200	1671	00001	C	B	306
	CHILDRENS HOSP	140200	1671	00001	C	C	307
	A RAYNOR & M TEPPER	140200	1673	00001	C	A	310
	A RAYNOR & M TEPPER	140200	1673	00001	C	B	311
	A RAYNOR & M TEPPER	140200	1673	00001	C	C	312
3-05-006-02	HURON CEMENT	140200	1762	0003A	E	01	315
3-05-006-02	HURON CEMENT	140200	1762	0003A	E	02	316
3-05-006-02	HURON CEMENT	140200	1762	0003A	I		317
	BUFFALO BOARD EDUC SCHOOL 24	140200	8018	00001	C	A	319
	BUFFALO BOARD EDUC SCHOOL 24	140200	8018	00001	C	B	320
	BUFFALO BOARD EDUC SCHOOL 41	140200	8019	00001	C	A	323
	BUFFALO BOARD EDUC SCHOOL 41	140200	8019	00001	C	B	324
	BUFFALO BOARD EDUC SCHOOL 70	140200	8024	00001	C	A	327
	BUFFALO BOARD EDUC SCHOOL 70	140200	8024	00001	C	B	328
	BUFFLO BOARD OF EDUCATION	140200	8044	00001	C	B	331
	BUFFLO BOARD OF EDUCATION	140200	8044	00001	C	C	332
	BUFFLO BOARD OF EDUCATION	140200	8044	00001	C	D	333
	BUFF BOARD EDUC SCH SOUTH PARK	140200	8046	00001	C	C	336
	BUFF BOARD EDUC SCH SOUTH PARK	140200	8046	00001	C	D	337
	BUFFALO BOARD OF EDUCATION	140200	8047	00001	C	B	340
	BUFFALO BOARD OF EDUCATION	140200	8047	00001	C	C	341
	BUFFALO BOARD OF EDUCATION	140200	8047	00001	C	D	342
	BUFFALO BOARD OF EDUCATION	140200	8048	00001	C	B	345
	BUFFALO BOARD OF EDUCATION	140200	8048	00001	C	C	346
	BUFFALO BOARD OF EDUCATION	140200	8048	00001	C	D	347
	BUFF BOARD EDUC SCH HUTCHISON	140200	8051	00001	C	B	350
	BUFF BOARD EDUC SCH HUTCHISON	140200	8051	00001	C	C	351

AIR POLLUTION SOURCE MANAGEMENT SYSTEM

REPORT DIRECTORY

FACILITY NAME	LOCATION	FACILITY	EP	UNIT	REGION	PAGE
BUFFALO BOARD OF EDUCATION	140200	8052	00006	R G		354
CITY OF BFLO W SIDE INCINERATO	140200	8056	00001	R A		357
CITY OF BFLO W SIDE INCINERATO	140200	8056	00001	R B		358
CITY OF BFLO W SIDE INCINERATO	140200	8056	00001	R C		359
CITY OF BFLO W SIDE INCINERATO	140200	8056	00002	R A		361
BUFFALO GENERAL HOSPITAL	140200	8068	00001	C A		363
BUFFALO GENERAL HOSPITAL	140200	8068	00001	C B		364
BUFFALO GENERAL HOSPITAL	140200	8068	00001	R A		365
BUFFALO MUNICIPAL HOUS AUTH	140200	8070	00A02	C A		369
BUFFALO MUNICIPAL HOUS AUTH	140200	8070	00001	C B		372
BUFF MUNIC HOUSING-TALBERT MAL	140200	8076	00001	C A		375
BUFF MUNIC HOUSING-TALBERT MAL	140200	8076	00001	C B		376
BUFF MUNIC HOUSING-TALBERT MAL	140200	8076	00001	C C		377
BUFF MUNIC HOUSING-TALBERT MAL	140200	8076	00001	C D		378
BUFF MUNIC HOUSING-TALBERT MAL	140200	8076	00001	C E		379
BUFFALO MUNICIPAL HOUSING AUTH	140200	8110	00001	C A		382
BUFFALO MUNICIPAL HOUSING AUTH	140200	8110	00001	C B		383
BUFFALO MUNICIPAL HOUSING AUTH	140200	8110	00001	C C		384
BUFFALO MUNICIPAL HOUSING AUTH	140200	8110	00001	C D		385
MERCY HOSPITAL	140200	8114	00001	C A		388
MERCY HOSPITAL	140200	8114	00001	C B		389
MERCY HOSPITAL	140200	8114	00001	C C		390
MERCY HOSPITAL	140200	8114	00001	R A		391
SISTERS OF CHARITY HOSPITAL	140200	8140	00001	C A		395
SISTERS OF CHARITY HOSPITAL	140200	8140	00001	C B		396
SISTERS OF CHARITY HOSPITAL	140200	8140	00001	C C		397
SISTERS OF CHARITY HOSPITAL	140200	8140	00001	R A		398
SISTERS OF CHARITY HOSPITAL	140200	8140	00001	R D		399
LOBLAWS	140200	8179	00001	C A		403
LOBLAWS	140200	8179	00001	C B		404
STASSETT CORP	140200	8216	00001	C A		407
STASSETT CORP	140200	8216	00001	C B		408
STASSETT CORP	140200	8216	00001	C C		409
ACME MARKETS	140200	8224	00001	C A		412
ACME MARKETS	140200	8224	00001	C B		413
ACME MARKETS	140200	8224	00001	C C		414
ADAM MELDRUM & ANDERSON CO INC	140200	8225	00001	C A		417
ADAM MELDRUM & ANDERSON CO INC	140200	8225	00001	C B		418
ADAM MELDRUM & ANDERSON CO INC	140200	8225	00001	R A		419
BUFFALO STATE HOSPITAL	140200	8226	00001	C A		423
BUFFALO STATE HOSPITAL	140200	8226	00001	C B		424
BUFFALO STATE HOSPITAL	140200	8226	00001	C C		425
BUFFALO STATE HOSPITAL	140200	8226	00001	C D		426
BUFFALO STATE HOSPITAL	140200	8226	00001	C E		427
BUFFALO STATE HOSPITAL	140200	8226	00001	C F		428
BUFFALO POLICE HEADQUARTERS	140200	8228	00001	C A		431
BUFFALO POLICE HEADQUARTERS	140200	8228	00001	C B		432
BUFFALO POLICE HEADQUARTERS	140200	8228	00001	C C		433
BUFFALO FIRE DEPT	140200	8229	00001	C A		436
BUFFALO FIRE DEPT	140200	8229	00001	C B		437
BUFFALO ZOOLOGICAL GARDEN	140200	8230	00002	C A		440
BUFFALO ZOOLOGICAL GARDEN	140200	8230	00002	C B		441
BUFFALO SOUTH PARK CONSERVATOR	140200	8232	00001	C A		444

AIR POLLUTION SOURCE MANAGEMENT SYSTEM

REPORT DIRECTORY

FACILITY NAME	LOCATION	FACILITY	FP	UNIT	REGION	PAGE
BUFFALO SOUTH PARK CONSERVATOR	140200	8232	00001	C B		445
BUFFALO SOUTH PARK CONSERVATOR	140200	8232	00001	C C		446
BUFF BOARD OF EDUC SCHOOL =4	140200	8233	00001	C B		449
BUFF BOARD OF EDUC SCHOOL =4	140200	8233	00001	C C		450
BUFF BOARD OF EDUC SCHOOL =4	140200	8233	00001	C D		451
BUFF BOARD OF EDUC SCHOOL =6	140200	8234	00001	C B		454
BUFF BOARD OF EDUC SCHOOL =6	140200	8234	00001	C C		455
BUFF BOARD OF EDUC SCHOOL =6	140200	8234	00001	C D		456
BUFFALO BOARD OF EDUCATION	140200	8246	00001	C B		459
BUFFALO BOARD OF EDUCATION	140200	8246	00001	C C		460
BUFFALO BOARD OF EDUCATION	140200	8246	00001	C D		461
BUFFALO BOARD OF EDUCATION	140200	8246	00001	C E		462
BUFFALO BOARD OF EDUCATION	140200	8250	00001	C B		465
BUFFALO BOARD OF EDUCATION	140200	8250	00001	C C		466
BUFFALO BOARD OF EDUCATION	140200	8250	00001	C D		467
BUFFALO SAVINGS BANK	140200	8255	00001	C A		470
BUFFALO SAVINGS BANK	140200	8255	00001	C B		471
BUFFALO SAVINGS BANK	140200	8255	00001	C C		472
BUFF BOARD EDUC-RIVERSIDE HS	140200	8256	00001	C B		475
BUFF BOARD EDUC-RIVERSIDE HS	140200	8256	00001	C C		476
BUFF BOARD EDUC-RIVERSIDE HS	140200	8256	00001	C D		477
IROQUOIS GAS	140200	8271	00001	R A		480
NIAGARA FRONTIER TRANSIT	140200	8276	00001	C A		483
NIAGARA FRONTIER TRANSIT	140200	8276	00001	C B		484
NIAGARA FRONTIER TRANSIT	140200	8277	00001	C A		487
NIAGARA FRONTIER TRANSIT	140200	8277	00001	C B		488
NIAGARA FRONTIER TRANSIT	140200	8277	00001	C C		489
U S POSTAL SERVICE	140200	8282	00001	C A		492
U S POSTAL SERVICE	140200	8282	00002	C B		495
NATIONAL FUEL GAS	140200	8285	00001	R A		498
BIRGE COMPANY INC	140200	8296	00003	C B		500
SATTLERS INC	140200	8319	00001	C A		503
SATTLERS INC	140200	8319	00001	C B		504
SATTLERS INC	140200	8319	00001	C C		505
MILTON F SPATT	140200	8330	00001	C A		508
MILTON F SPATT	140200	8330	00001	C B		509
MILTON F SPATT	140200	8330	00001	C C		510
ERIE COUNTY	140200	8336	00001	C A		513
ERIE COUNTY	140200	8336	00001	C B		514
ARNOLD I KRAMER	140200	8338	00001	C A		517
ARNOLD I KRAMER	140200	8338	00001	C B		518
NIAGARA MOHAWK POWER CORP	140200	8349	00001	C A		521
NIAGARA MOHAWK POWER CORP	140200	8349	00001	C B		522
NIAGARA MOHAWK POWER CORP	140200	8349	00001	R A		523
YMCA OF BFLO & ERIE COUNTY	140200	8356	00001	C A		527
YMCA OF BFLO & ERIE COUNTY	140200	8356	00001	C B		528
YWCA RESIDENCE	140200	8361	00001	C A		531
JEWISH CENTER OF GREATER BFLO	140200	8377	00001	C A		534
JEWISH CENTER OF GREATER BFLO	140200	8377	00001	C B		535
WM HENGERER CO	140200	8382	00001	C B		538
WM HENGERER CO	140200	8382	00001	C C		539
ERIE CO	140200	8384	00001	C A		542
ERIE CO	140200	8384	00001	C B		543

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SCC CODE	FACILITY NAME	LOCATION	FACILITY	EP	UNIT	REGION	PAGE
	ERIE CO	140200	8384	00001	C C		544
	ERIE CO	140200	8385	00001	C A		547
	ERIE CO	140200	8385	00001	C B		548
	ROSWELL PARK MEMORIAL INST	140200	8392	00002	C C		551
	ROSWELL PARK MEMORIAL INST	140200	8392	00002	R C		552
	ROSWELL PARK MEMORIAL INST	140200	8392	00003	C C		556
	ROSWELL PARK MEMORIAL INST	140200	8392	00003	R C		557
3-05-016-03	BETHLEHEM STEEL CORP	140900	0160	000L7	I		561
3-03-001-02	BETHLEHEM STEEL CORP	140900	0160	00499	I		563
	BETHLEHEM STEEL CORP	140900	0160	00501	C K		565
3-05-016-99	BETHLEHEM STEEL CORP	140900	0160	00505	I		568
	BETHLEHEM STEEL CORP	140900	0160	00665	C F		570
	BETHLEHEM STEEL CORP	140900	0160	00666	C G		573
	BETHLEHEM STEEL CORP	140900	0160	00667	C H		576
	BETHLEHEM STEEL CORP	140900	0160	00668	C I		579
	BETHLEHEM STEEL CORP	140900	0160	00669	C J		582
3-05-040-21	BETHLEHEM STEEL CORP	140900	0160	0229B	I		585
3-05-040-21	BETHLEHEM STEEL CORP	140900	0160	0229C	I		587
	BETHLEHEM STEEL CORP	140900	0160	0236S	C A		589
	BETHLEHEM STEEL CORP	140900	0160	0246S	C A		592
	BETHLEHEM STEEL CORP	140900	0160	0256S	C A		595
3-03-009-99	BETHLEHEM STEEL CORP	140900	0160	03411	I		598
	BETHLEHEM STEEL CORP	140900	0160	04701	C A		600
	BETHLEHEM STEEL CORP	140900	0160	04903	C A		603
	BETHLEHEM STEEL CORP	140900	0160	04908	C A		606
4-02-001-01	BETHLEHEM STEEL CORP	140900	0160	05711	I		609
4-02-008-01	BETHLEHEM STEEL CORP	140900	0160	05712	I		611
3-05-040-21	BETHLEHEM STEEL CORP	140900	0160	229A1	I		613
3-05-040-21	BETHLEHEM STEEL CORP	140900	0160	229A2	I		615
3-03-009-99	BETHLEHEM STEEL CORP	140900	0160	3412A	I		617
	BETHLEHEM STEEL CORP	140900	0160	37601	C A		619
	BETHLEHEM STEEL CORP	140900	0160	37602	C A		622
	BETHLEHEM STEEL CORP	140900	0160	39901	C A		625
	BETHLEHEM STEEL CORP	140900	0160	39902	C A		628
	BETHLEHEM STEEL CORP	140900	0160	39903	C A		631
	BETHLEHEM STEEL CORP	140900	0160	39904	C A		634
	BETHLEHEM STEEL CORP	140900	0160	39905	C A		637
	BETHLEHEM STEEL CORP	140900	0160	39906	C A		640
	BETHLEHEM STEEL CORP	140900	0160	39907	C A		643
	BETHLEHEM STEEL CORP	140900	0160	41001	C A		646
	BETHLEHEM STEEL CORP	140900	0160	41002	C A		649
	BETHLEHEM STEEL CORP	140900	0160	41003	C A		652
	BETHLEHEM STEEL CORP	140900	0160	41004	C A		655
	BETHLEHEM STEEL CORP	140900	0160	41005	C A		658
	BETHLEHEM STEEL CORP	140900	0160	41006	C A		661
	BETHLEHEM STEEL CORP	140900	0160	41007	C A		664
	BETHLEHEM STEEL CORP	140900	0160	41008	C A		667
	BETHLEHEM STEEL CORP	140900	0160	41009	C A		670
	BETHLEHEM STEEL CORP	140900	0160	41010	C A		673
	BETHLEHEM STEEL CORP	140900	0160	41011	C A		676
	BETHLEHEM STEEL CORP	140900	0160	41012	C A		679
	BETHLEHEM STEEL CORP	140900	0160	41013	C A		682
	BETHLEHEM STEEL CORP	140900	0160	41014	C A		685

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BETHLEHEM STEEL CORP	140900	0160	41015	C A		688
BETHLEHEM STEEL CORP	140900	0160	41016	C A		691
BETHLEHEM STEEL CORP	140900	0160	41017	C A		694
BETHLEHEM STEEL CORP	140900	0160	41018	C A		697
BETHLEHEM STEEL CORP	140900	0160	41019	C A		700
BETHLEHEM STEEL CORP	140900	0160	41020	C A		703
BETHLEHEM STEEL CORP	140900	0160	41021	C A		706
BETHLEHEM STEEL CORP	140900	0160	41022	C A		709
BETHLEHEM STEEL CORP	140900	0160	41023	C A		712
BETHLEHEM STEEL CORP	140900	0160	41024	C A		715
BETHLEHEM STEEL CORP	140900	0160	41025	C A		718
BETHLEHEM STEEL CORP	140900	0160	41026	C A		721
BETHLEHEM STEEL CORP	140900	0160	41027	C A		724
BETHLEHEM STEEL CORP	140900	0160	41028	C A		727
BETHLEHEM STEEL CORP	140900	0160	41029	C A		730
BETHLEHEM STEEL CORP	140900	0160	41030	C A		733
BETHLEHEM STEEL CORP	140900	0160	41031	C A		736
BETHLEHEM STEEL CORP	140900	0160	41032	C A		739
BETHLEHEM STEEL CORP	140900	0160	41033	C A		742
BETHLEHEM STEEL CORP	140900	0160	41034	C A		745
BETHLEHEM STEEL CORP	140900	0160	41035	C A		748
BETHLEHEM STEEL CORP	140900	0160	41036	C A		751
BETHLEHEM STEEL CORP	140900	0160	41037	C A		754
BETHLEHEM STEEL CORP	140900	0160	41038	C A		757
BETHLEHEM STEEL CORP	140900	0160	41039	C A		760
BETHLEHEM STEEL CORP	140900	0160	41040	C A		763
BETHLEHEM STEEL CORP	140900	0160	41041	C A		766
BETHLEHEM STEEL CORP	140900	0160	41042	C A		769
BETHLEHEM STEEL CORP	140900	0160	41043	C A		772
BETHLEHEM STEEL CORP	140900	0160	41044	C A		775
BETHLEHEM STEEL CORP	140900	0160	41045	C A		778
BETHLEHEM STEEL CORP	140900	0160	41046	C A		781
BETHLEHEM STEEL CORP	140900	0160	41047	C A		784
BETHLEHEM STEEL CORP	140900	0160	41048	C A		787
BETHLEHEM STEEL CORP	140900	0160	41049	C A		790
BETHLEHEM STEEL CORP	140900	0160	41050	C A		793
BETHLEHEM STEEL CORP	140900	0160	41051	C A		796
BETHLEHEM STEEL CORP	140900	0160	41101	C A		799
BETHLEHEM STEEL CORP	140900	0160	41801	C A		802
BETHLEHEM STEEL CORP	140900	0160	41802	C A		805
BETHLEHEM STEEL CORP	140900	0160	41803	C A		808
BETHLEHEM STEEL CORP	140900	0160	43201	C A		811
BETHLEHEM STEEL CORP	140900	0160	43202	C A		814
BETHLEHEM STEEL CORP	140900	0160	43203	C A		817
BETHLEHEM STEEL CORP	140900	0160	43204	C A		820
BETHLEHEM STEEL CORP	140900	0160	43205	C A		823
BETHLEHEM STEEL CORP	140900	0160	44701	C A		826
BETHLEHEM STEEL CORP	140900	0160	44702	C A		829
BETHLEHEM STEEL CORP	140900	0160	44703	C A		832
BETHLEHEM STEEL CORP	140900	0160	44704	C A		835
BETHLEHEM STEEL CORP	140900	0160	44705	C A		838
BETHLEHEM STEEL CORP	140900	0160	44706	C A		841
BETHLEHEM STEEL CORP	140900	0160	44707	C A		844

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	BETHLEHEM STEEL CORP	140900	0160	44708	C A		847
	BETHLEHEM STEEL CORP	140900	0160	51101	C A		850
	BETHLEHEM STEEL CORP	140900	0160	51102	C A		853
	BETHLEHEM STEEL CORP	140900	0160	51103	C A		856
	BETHLEHEM STEEL CORP	140900	0160	51104	C A		859
	BETHLEHEM STEEL CORP	140900	0160	51105	C A		862
	BETHLEHEM STEEL CORP	140900	0160	55401	C A		865
	BETHLEHEM STEEL CORP	140900	0160	55402	C A		868
	BETHLEHEM STEEL CORP	140900	0160	55403	C A		871
3-05-006-99	BUFFALO DRI-MIX CORP	140900	0228	0000C	I		874
3-05-006-99	BUFFALO DRI-MIX CORP	140900	0228	00000	I		876
3-03-009-99	CLARENCE A HACKETT INC	140900	1638	00001	I		878
3-03-009-99	CLARENCE A HACKETT INC	140900	1638	00002	I		880
3-03-009-99	CLARENCE A HACKETT INC	140900	1638	00003	I		882
	EXOLON CO	141600	1392	00001	C A		884
3-03-009-11	COLUMBUS MCKINNON CORP	141600	1621	00001	I		887
	COLUMBUS MCKINNON CORP	141600	1621	00001	R A		888
3-90-005-01	BUFFALO SLAG CO INC	141600	1627	0000B	I		891
3-05-002-99	BUFFALO SLAG CO INC	141600	1627	0000C	I		894
	ERIE COUNTY	142089	8264	00001	C A		897
	ERIE COUNTY	142089	8264	00002	C B		900
	ERIE COUNTY	142089	8264	00003	C C		903
	ERIE COUNTY	142089	8264	00004	C D		906
	ERIE COUNTY	142089	8383	00001	C A		909
	ERIE COUNTY	142089	8383	00001	C B		910
	W HENGERER CO	142200	1674	00001	C A		913
	W HENGERER CO	142200	1674	00002	C B		916
	AMHERST NURSNG & CONVALES.HOME	142200	8058	00001	R A		919
	COUNTY OF ERIE	142200	8263	00001	C A		922
	COUNTY OF ERIE	142200	8263	00001	C B		923
	COUNTY OF ERIE	142200	8263	00001	C C		924
	COUNTY OF ERIE	142200	8263	00002	C A		927
	COUNTY OF ERIE	142200	8263	00002	C B		928
	COUNTY OF ERIE	142200	8263	00002	C C		929
	COUNTY OF ERIE	142200	8263	00003	R A		932
	SATTLERS INC	142200	8318	00001	C A		935
	SATTLERS INC	142200	8318	00001	C B		936
	AMHERST CENTRAL HIGH SCHOOLS	142200	8331	00002	C A		939
	AMHERST CENTRAL HIGH SCHOOLS	142200	8331	00002	C B		940
	AMHERST CENTRAL HIGH SCHOOLS	142200	8331	00002	C C		941
	SR THIRD ORDER OF ST FRANCIS	142201	8380	00002	C A		944
	SR THIRD ORDER OF ST FRANCIS	142201	8380	00002	C B		945
	NYS THRUWAY AUTHORITY	142800	8357	00001	C A		948
	NYS THRUWAY AUTHORITY	142800	8357	00001	C B		949
	AMERICAN OPTICAL CORP	143000	0075	00001	C A		952
	AMERICAN OPTICAL CORP	143000	0075	00001	C B		953
	AMERICAN OPTICAL CORP	143000	0075	00001	C C		954
	AMERICAN OPTICAL CORP	143000	0075	00001	R A		955
	AMERICAN OPTICAL CORP	143000	0075	00002	C A		959
	F N BURT	143000	0535	00050	C A		962
	F N BURT	143000	0535	00051	C B		965
3-04-007-04	GIBRALTAR STEEL CO	143000	0634	000E1	I		968
3-04-007-04	GIBRALTAR STEEL CO	143000	0634	000F2	I		971

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	AMERICAN AIRLINES	143000	8222	00001	C N		974
	AMERICAN AIRLINES	143000	8222	00001	C S		975
	JOHN W COWPER CO	143000	8355	00001	R A		978
	UNITED AIR LINES INC	143000	8374	00001	C A		981
	UNITED AIR LINES INC	143000	8374	00001	C B		982
	NATIONAL GYPSUM CO	143200	1017	00065	C A		985
	CENTURY HOUSEWARES INC	143200	8083	00001	R A		988
	NYS DEPT OF MENTAL HYGIENE	143601	8266	00001	C A		991
	NYS DEPT OF MENTAL HYGIENE	143601	8266	00001	C B		992
	NYS DEPT OF MENTAL HYGIENE	143601	8266	00001	C C		993
3-05-002-01	JOHN L BENZ	143601	8266	00001	C D		994
	GRAND ISLAND CEN SCH DIS 1	143801	0802	00001	I		997
3-05-005-02	FERRO CORP	144600	8268	00001	C A		999
	HAMBURG CENTRAL JHS	144600	8268	00001	C B		1000
	HAMBURG CENTRAL SR HS	144800	0493	00049	I		1003
	FRONTIER CENTRAL SCH	144800	8154	00002	C B		1005
	FRONTIER CENTRAL SCH	144800	8155	00001	C A		1008
	FRONTIER CENTRAL SCH	144800	8292	00002	C A		1011
	FRONTIER CENTRAL SCH	144800	8292	00002	C B		1012
	FORD MOTOR CO	144800	8292	00002	C C		1013
	FORD MOTOR CO	144800	8292	00002	C D		1014
	FORD MOTOR CO	144801	0573	00015	C C		1017
3-05-020-04	LANCASTER STONE PRODUCTS CORP	144801	0573	00016	C B		1020
3-05-020-06	LANCASTER STONE PRODUCTS CORP	144801	0573	00017	C A		1023
	FURGALA NURSING HOME	145200	0885	00008	I		1026
	ARCATA GRAPHICS	145200	0885	00010	I		1028
	ARCATA GRAPHICS	145200	8379	00001	R A		1030
	ARCATA GRAPHICS	145201	0788	00063	C A		1033
	DRESSER IND TRANS EQUIP DIV	145201	0788	00064	C A		1036
	DRESSER IND TRANS EQUIP DIV	145201	0788	00065	C A		1039
3-05-020-05	DRESSER IND TRANS EQUIP DIV	145201	1372	00001	C A		1042
3-05-020-99	DRESSER IND TRANS EQUIP DIV	145201	1372	00001	C B		1043
3-05-025-99	DRESSER IND TRANS EQUIP DIV	145201	1372	00016	I		1046
4-02-009-01	DRESSER IND TRANS EQUIP DIV	145201	1372	00018	I		1048
3-05-025-01	DRESSER IND TRANS EQUIP DIV	145201	1372	00019	I		1051
3-05-003-01	DRESSER IND TRANS EQUIP DIV	145201	1372	00024	I		1053
3-05-003-01	DRESSER IND TRANS EQUIP DIV	145201	1372	00027	I		1055
3-05-003-01	DRESSER IND TRANS EQUIP DIV	145201	1372	00028	I		1057
3-05-003-01	DRESSER IND TRANS EQUIP DIV	145201	1372	00029	I		1060
3-05-003-01	DRESSER IND TRANS EQUIP DIV	145201	1372	00030	I		1063
3-05-003-01	DRESSER IND TRANS EQUIP DIV	145201	1372	00031	I		1066
3-05-025-99	DRESSER IND TRANS EQUIP DIV	145201	1372	00032	I		1069
	GEORGIA PACIFIC CORP	145201	1372	00033	I		1072
	OUPLAN CORP	145201	1372	00038	I		1075
	AKRON CENT SCH DIST	145601	0159	00010	C A		1077
	AKRON CENT SCH DIST	145601	1219	00019	C A		1080
	AKRON CENT SCH DIST	145601	8370	00001	C A		1083
	AKRON CENT SCH DIST	145601	8370	00001	C B		1084
	ORCHARD PARK CENTRAL SCH	145601	8370	00001	C D		1085
	ORCHARD PARK CENTRAL SCH	145601	8370	00001	C E		1086
	ORCHARD PARK CENTRAL SCH	146000	8346	00004	C A		1089
		146000	8346	00004	C B		1090
		146000	8346	00004	C C		1091

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	ORCHARD PARK CENTRAL SCH	146000	8347	00002	C A		1094
	ORCHARD PARK CENTRAL SCH	146000	8347	00002	C B		1095
	ORCHARD PARK CENTRAL SCH	146000	8348	00001	C A		1098
	ORCHARD PARK CENTRAL SCH	146000	8348	00001	C B		1099
	ORCHARD PARK CENTRAL SCH	146000	8348	00001	C C		1100
3-05-011-01	WILLIAM W BENDER INC	146001	1668	00001	I		1103
	ASHLAND OIL INC	146400	0114	00001	C A		1105
	ASHLAND OIL INC	146400	0114	00001	C B		1106
	ASHLAND OIL INC	146400	0114	00003	C A		1109
	ASHLAND OIL INC	146400	0114	00004	C A		1112
	ASHLAND OIL INC	146400	0114	00005	C A		1115
	ASHLAND OIL INC	146400	0114	00006	C A		1118
	ASHLAND OIL INC	146400	0114	00008	C A		1121
	ASHLAND OIL INC	146400	0114	00009	C A		1124
	ASHLAND OIL INC	146400	0114	00010	C A		1127
	ASHLAND OIL INC	146400	0114	00011	C A		1130
	ASHLAND OIL INC	146400	0114	00012	C A		1133
	ASHLAND OIL INC	146400	0114	00013	C A		1136
	ASHLAND OIL INC	146400	0114	00015	C A		1139
	ASHLAND OIL INC	146400	0114	00016	C A		1142
	ASHLAND OIL INC	146400	0114	00017	C A		1145
	ASHLAND OIL INC	146400	0114	00018	C A		1148
	ASHLAND OIL INC	146400	0114	00019	C A		1151
	ASHLAND OIL INC	146400	0114	00070	C A		1154
	ASHLAND OIL INC	146400	0114	00021	C A		1157
3-04-009-01	ASHLAND OIL INC	146400	0114	00024	I		1160
3-04-009-01	ASHLAND OIL INC	146400	0114	00025	I		1162
3-06-008-05	ASHLAND OIL INC	146400	0114	00026	I		1164
3-06-008-05	ASHLAND OIL INC	146400	0114	00027	I		1166
3-06-999-98	ASHLAND OIL INC	146400	0114	00073	I		1168
3-06-999-98	ASHLAND OIL INC	146400	0114	28037	I		1170
3-06-999-98	ASHLAND OIL INC	146400	0114	38-65	I		1172
3-06-999-98	ASHLAND OIL INC	146400	0114	66-71	I		1174
	CONTINENTAL CAN CO	146400	0385	00001	C A		1176
	CONTINENTAL CAN CO	146400	0385	00001	C B		1177
	CONTINENTAL CAN CO	146400	0385	00001	C C		1178
	DUNLOP TIRE & RUBBER CORP	146400	0456	00001	C A		1181
	DUNLOP TIRE & RUBBER CORP	146400	0456	00001	C B		1182
	DUNLOP TIRE & RUBBER CORP	146400	0456	00002	C A		1185
	DUNLOP TIRE & RUBBER CORP	146400	0456	00002	C B		1186
	DUNLOP TIRE & RUBBER CORP	146400	0456	00003	C A		1189
	DUNLOP TIRE & RUBBER CORP	146400	0456	00003	C B		1190
	FMC CORP	146400	0754	00002	C D		1193
3-04-003-30	TRW INC	146400	0783	00001	I		1196
	TRW INC	146400	0783	00001	R A		1197
	TRW INC	146400	0783	00043	R A		1201
	TRW INC	146400	0783	00061	C A		1204
	TRW INC	146400	0783	00061	C B		1205
	TRW INC	146400	0783	00061	C C		1206
	GENERAL MILLS INC	146400	1062	0000E	C R		1209
	GENERAL MILLS INC	146400	1062	0000E	C S		1210
	GENERAL MILLS INC	146400	1062	0000E	C T		1211
	GENERAL MILLS INC	146400	1062	0000E	C V		1212

AIR POLLUTION SOURCE MANAGEMENT SYSTEM

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SCC CODE	FACILITY NAME	LOCATION	FACILITY	EP	UNIT	REGION	PAGE
	NIAGARA MOHAWK POWER CORP	146400	1700	00001	C A		1215
	NIAGARA MOHAWK POWER CORP	146400	1700	00001	C B		1216
	NIAGARA MOHAWK POWER CORP	146400	1700	00001	C C		1217
	NIAGARA MOHAWK POWER CORP	146400	1700	00001	C D		1218
	NIAGARA MOHAWK POWER CORP	146400	1700	00002	C E		1221
	NIAGARA MOHAWK POWER CORP	146400	1700	00002	C F		1222
	SWEET HOME CENT SCH	146400	8194	00001	R A		1225
	KEN-TON PS-UN FREE SCH DIS 1	146400	8223	00001	C A		1228
	KEN-TON PS-UN FREE SCH DIS 1	146400	8223	00001	C B		1229
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8304	00001	C A		1232
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8304	00001	C B		1233
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8309	00001	C A		1236
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8309	00001	C B		1237
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8311	00001	C A		1240
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8311	00001	C B		1241
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8311	00001	C C		1242
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8313	00001	C A		1245
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8313	00001	C B		1246
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8317	00001	C A		1249
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8317	00001	C B		1250
	KENMORE TN OF TONAWANDA UFSD	146400	8323	00001	C A		1253
	KENMORE TN OF TONAWANDA UFSD	146400	8323	00001	C B		1254
	KENMORE TN OF TONAWANDA UFSD	146400	8323	00001	C C		1255
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8326	00001	C A		1258
	KENMORE-TOWN OF TONAWANDA UFSD	146400	8326	00001	C B		1259
	D M B REAL ESTATE INC	146400	8381	00001	C A		1262
	D M B REAL ESTATE INC	146400	8381	00001	C C		1263
	FRONTIER BINDERY CORP	146401	0601	00003	C B		1266
	FRONTIER BINDERY CORP	146401	0601	00004	C B		1269
	K-TON PS UN FREE SCH DIS 1	146401	8257	00002	C B		1272
	K-TON PS UN FREE SCH DIS 1	146401	8257	00003	C C		1275
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8303	00001	C A		1278
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8303	00001	C B		1279
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8310	00001	C A		1282
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8310	00001	C B		1283
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8310	00001	C C		1284
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8312	00001	C A		1287
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8312	00001	C B		1288
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8314	00001	C A		1291
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8314	00001	C B		1292
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8315	00001	C A		1295
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8315	00001	C B		1296
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8316	00001	C A		1299
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8316	00001	C B		1300
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8325	00001	C A		1303
	KENMORE-TOWN OF TONAWANDA UFSD	146401	8325	00001	C B		1304
3-04-003-01	GMC CHEVROLET TONAWANDA	146489	1656	00C1A	I		1307
3-04-003-01	GMC CHEVROLET TONAWANDA	146489	1656	00C2B	I		1309
3-04-003-01	GMC CHEVROLET TONAWANDA	146489	1656	00C3C	I		1311
3-04-003-01	GMC CHEVROLET TONAWANDA	146489	1656	00C4D	I		1313
	TONAWANDA-TOWN OF	146489	8376	00001	R A		1315
	NORTHWOOD ES	146800	8012	00001	R A		1318
	W SENECA CENT SCHOOL EAST HS	146800	8149	00001	R A		1321

SCC CODE	FACILITY NAME	LOCATION	FACILITY	EP	UNIT	REGION	PAGE
3-01-999-99	DIAMOND SHAMROCK CORP	290900	0064	00001	I		1324
3-04-001-99	LOCKPORT NON-FERROUS CAST INC	290900	0156	00003	I		1327
	WALLACE MURRAY CORP	290900	0251	00001	C	A	1329
	WALLACE MURRAY CORP	290900	0251	00002	C	B	1332
3-04-007-04	WALLACE MURRAY CORP	290900	0251	00024	I		1335
3-04-007-99	WALLACE MURRAY CORP	290900	0251	00032	I		1338
3-04-007-99	WALLACE MURRAY CORP	290900	0251	00054	I		1340
	UPSON CO	290900	0283	00002	C	A	1342
	UPSON CO	290900	0283	00002	C	B	1343
4-02-009-01	UPSON CO	290900	0283	00002	I		1344
	R J R FOODS	290900	0362	00001	C	A	1348
	R J R FOODS	290900	0362	00002	C	B	1351
	ODD FELLOW REBEKAH NURSING HME	290900	8033	00001	R	A	1354
3-04-002-99	FRONTIER BRONZE CORP	291100	0100	00E09	I		1357
3-04-002-99	FRONTIER BRONZE CORP	291100	0100	00E10	I		1359
3-04-002-99	FRONTIER BRONZE CORP	291100	0100	00E12	I		1362
3-04-002-99	FRONTIER BRONZE CORP	291100	0100	00E14	I		1365
3-04-002-99	FRONTIER BRONZE CORP	291100	0100	00F16	I		1368
3-04-002-99	FRONTIER BRONZE CORP	291100	0100	000E1	I		1370
3-04-002-99	FRONTIER BRONZE CORP	291100	0100	000E8	I		1373
	HOOKER CHEM & PLASTICS CORP	291100	0118	A0101	C	A	1376
	HOOKER CHEM & PLASTICS CORP	291100	0118	A0102	C	A	1379
	HOOKER CHEM & PLASTICS CORP	291100	0118	A0102	C	B	1380
	HOOKER CHEM & PLASTICS CORP	291100	0118	A0102	C	C	1381
	NABISCO INC	291100	0178	00001	C	A	1384
	NABISCO INC	291100	0178	00001	C	B	1385
3-02-007-99	NABISCO INC	291100	0178	00009	I		1388
	OLIN CORP	291100	0203	00021	C	A	1390
	OLIN CORP	291100	0203	00021	C	B	1391
	PRESTOLITE DIV ELTRA CORP	291100	0217	00001	C	A	1394
	PRESTOLITE DIV ELTRA CORP	291100	0217	00002	C	B	1397
3-03-999-99	PYRON CO	291100	0220	0003C	I		1400
3-05-040-30	CARBORONDUM CO	291100	0329	02824	I		1403
3-05-040-31	CARBORONDUM CO	291100	0329	27A23	I		1405
	GOODYEAR TIRE & RUBBER CO	291100	0331	00002	C	S	1407
3-04-020-04	AIRCO SPEER CARBON-GRAPHITE	291100	0337	00013	I		1410
3-04-020-04	AIRCO SPEER CARBON-GRAPHITE	291100	0337	00015	I		1412
3-04-020-03	AIRCO SPEER CARBON-GRAPHITE	291100	0337	00051	I		1415
3-04-020-03	AIRCO SPEER CARBON-GRAPHITE	291100	0337	00052	I		1417
3-03-003-99	GREAT LAKES CARBON CORP	291100	0343	00012	I		1419
3-04-020-04	GREAT LAKES CARBON CORP	291100	0343	00016	I		1421
3-03-003-07	UNION CARBIDE CORP	291100	0357	DC04A	I		1423
3-01-005-03	UNION CARBIDE CORP	291100	0357	SS-05	I		1425
3-03-030-99	UNION CARBIDE CORP LINDE DIV	291100	0359	01001	I		1428
3-03-999-99	UNION CARBIDE CORP LINDE DIV	291100	0359	01201	I		1430
3-05-010-99	UNION CARBIDE CORP	291100	0361	CC-03	I		1432
3-01-005-03	UNION CARBIDE CORP	291100	0361	SS-08	I		1434
3-01-005-03	UNION CARBIDE CORP	291100	0361	SS-11	I		1437
3-01-005-03	UNION CARBIDE CORP	291100	0361	SS-2A	I		1440
3-01-005-03	UNION CARBIDE CORP	291100	0361	SS-4A	I		1443
	C J TOWER & SONS BUFF INC	291100	8019	00001	R	A	1446
	NIAGARA FALLS MEM MED CTR	291100	8021	00001	C	A	1448
	NIAGARA FALLS MEM MED CTR	291100	8021	00001	C	B	1449

AIR POLLUTION SOURCE MANAGEMENT SYSTEM

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SCC CODE	FACILITY NAME	LOCATION	FACILITY	EP	UNIT	REGION	PAGE
	NIAGARA FALLS MEM MED CTR	291100	8021	00001	C C		1450
	RHUNEY FUNERAL HOME	291100	8022	00001	R A		1453
	NIAGARA PERMANENT SAVINGS & LO	291100	8028	00001	R A		1456
	HOOKER CHEM&PLASTICS CORP	291200	0117	00105	C A		1459
	HOOKER CHEM&PLASTICS CORP	291200	0117	00106	C B		1462
3-07-008-99	HOOKER CHEM&PLASTICS CORP	291200	0117	00107	C A		1465
	R.T. JONES LUMBER CO. INC.	291200	0281	S1L01	I		1468
	WURLITZER CO	291200	0284	00001	C A		1470
	WURLITZER CO	291200	0284	00001	C B		1471
	STARPOINT CENTRAL SCHOOL	292000	8003	00002	R B		1474
	MOUNT ST MARYS HOSP NIA FALLS	292400	8012	00001	C A		1476
	MOUNT ST MARYS HOSP NIA FALLS	292400	8012	00001	C B		1477
	MOUNT ST MARYS HOSP NIA FALLS	292400	8012	00001	C C		1478
	GENERAL MOTORS CORP	292600	0330	012-1	C A		1481
	GENERAL MOTORS CORP	292600	0330	012-1	C B		1482
4-02-999-99	GENERAL MOTORS CORPORATION	292600	0335	ORR31	I		1485
4-02-999-99	GENERAL MOTORS CORPORATION	292600	0335	ORR33	I		1487
4-02-999-99	GENERAL MOTORS CORPORATION	292600	0335	ORR71	I		1489
4-02-999-99	GENERAL MOTORS CORPORATION	292600	0335	ORR72	I		1491
4-02-999-99	GENERAL MOTORS CORPORATION	292600	0335	ORR73	I		1493
4-02-999-99	GENERAL MOTORS CORPORATION	292600	0335	ORR74	I		1495
4-90-999-99	NOURY CHEMICAL CORP	292800	0043	00FS5	I		1497
	BELL AEROSPACE CO	294000	0021	00140	C B		1499
	BELL AEROSPACE CO	294000	0021	00141	C C		1502
	BELL AEROSPACE CO	294000	0021	00142	C D		1505
	CARBORUNDUM CO	294000	0048	00601	C A		1508
	CARBORUNDUM CO	294000	0048	00602	C B		1511

APPENDIX B

COMPUTER LISTING OF ALL POINT SOURCE UPDATE CARDS PROVIDED TO THE DEC

NIAGARA FRONTIER CURSOR UPDATES 12/03/76

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1.   3C14C200C33800032C*0800.C
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12.  3C14020CC22200003C*072315000
13.  3C1402C0C22200003C*089181440
14.  3C14C2CCC22200003C*0363220.0
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21.  3C140200C16900002B*072336000
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23.  3C1402CCC39300C02B*C7225760
24.  3C140200C55100020C*05212.6
25.  3C1402CCC55100C20C*06281.5
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27.  3C14C2C0C68400811B*C893354688000
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29.  3C1402CCC68400C12C*C893354688000
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36.  3C14C200C72200001C*C722056320
37.  3C140200C72200001C*C89301920C00
38.  3C14C2CCC73200C13A*03354
39.  3C1402CCC73200013A*C3510.9
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41.  3C14C2CCC73200C13B*C351C.9
42.  3C14C2CCC73200013C*03354
43.  3C14C200C73200013C*C3510.9
44.  3C1402C0C73200013D*03354
45.  3C14C2C0C73200C13D*03510.9
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69.  3C14020C822500001A*07251600
70.  3C140200822500001B*07251600
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74.  3C14C20C822600001D*C72194400
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104. 3C1402C0158800001A*072187200
105. 3C140200158800002B*0355.3
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107. 3C140200160920703A*C7552
108. 3C1402CC16C920703A*C7910C0.0
109. 3C14020016C920703A*08024.0
110. 3C140200160920703A*C81305
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112. 3C14C20016C920703A*C961000.0
113. 3C1402C016C920703A*1140.C0
114. 3C1402C0160920703A*1250.C0
115. 3C14C2C016C920707B*07552
116. 3C140200160920707B*C791000.0
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3C146400038500001C*C7248400
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3C140200114300C01A*C721C80C0
3C140200114300001B*C3336
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308.    3C14C900C16041051A*C3372
309.    3C14C90CC16041051A*0341400
310.    3C14C9CCC16041051A*03515.9
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319.    3C14C90CC16043201A*03361
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329.    3C140900C16043203A*C33E1
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331.    3C14C9C0C16043203A*03516.3
332.    3C14C9C0C16043203A*03E19800.0
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334.    3C14C9CCC16043203A*089366C00000
335.    3C14C900C16043204A*030583
336.    3C14C9C0C16043204A*032130
337.    3C140900C16043204A*C33E1
338.    3C14C900C16043204A*C34E50
339.    3C1409CCC16C43204A*C3516.3
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346.    3C140900C16043205A*C34850
347.    3C1409CCC16C43205A*C3516.3
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349.    3C1409000160432C5A*C72384000C00
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352.    3C14C9C0C16044701A*032130
353.    3C14C9C0C16C44701A*C33E3
354.    3C1409CCC16C44701A*C341000
355.    3C14C900C16044701A*0359.5
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363.    3C14C900C16044703A*033C3
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246.    3C143CCCE374C001R*06242.0
247.    3C1430CCE37400001R*07215600
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249.    3C14C9CCC16041043A*03277
250.    3C14CSCCC16041043A*03334
251.    3C140900C16041043A*034E75
252.    3C14C9C0C16C41043A*0359.C
253.    3C140900C16041043A*03E34C0.0
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255.    3C14C900C16041043A*C8926C4C0000
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258.    3C14C900C16041044A*03334
259.    3C1409000160410444*034E75
260.    3C14C900C16041044A*0359.0
261.    3C1409000160410444*0363400.0
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264.    3C140900C16041045A*C30583
265.    3C14C9CCC16C41045A*03277
266.    3C14C9CCC16041045A*03334
267.    3C14C900C16041045A*034E75
268.    3C14C9C0C16041045A*0359.C
269.    3C14C900C16041045A*03E34C0.0
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273.    3C14C900C16041046A*C3277
274.    3C14C9C0C16041046A*03334
275.    3C140900C16041046A*C34E75
276.    3C1409C0C16041046A*0359.0
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289.    3C140900C16041048A*03277
290.    3C14C900C16041048A*03334
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386.    3C140900C16044706A*032130
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448.    3C140900C16041014A*034E75
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456.    3C14C900C16041015A*034E75
457.    3C14C90CC16041015A*0359.0
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3C14C9C00160410334*C3E34C0.0
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744.    3C14C9C0C16C41003A*03334
745.    3C140900G16041003A*034E75
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747.    3C14C9C0C16C41003A*C3E3400.0
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752.    3C14C9C0C16C41004A*C3334
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754.    3C1409C0C16041004A*C359.0
755.    3C14C9C0C16C41004A*C3E3400.0
756.    3C14C9C0C16041004A*C7242CG0000
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759.    3C1409C0C16041005A*C3277
760.    3C140900C16041005A*03334
761.    3C14C9CCC16C41005A*034E75
762.    3C140900C16041005A*C359.0
763.    3C140900C16C41005A*03E3400.0
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767.    3C14C9CCC16041006A*03277
768.    3C14C90001604100GA*C3334
769.    3C14C9C0C16C41006A*034E75
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793.    3C140900C1604100SA*034E75
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NIAGARA FRONTIER CURSORY UPDATES 12/10/76

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3I292600C3350FR72*1306.60
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NIAGARA FRONTIER CURSORY UPDATES 01/28/77

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 10.    3C291200028400001A*021NIAGARA FALLS
 11.    3C291200C28400001B*019WURLITZER PLANT
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 37.    3C140200804800001D*07246620
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NIAGARA FRONTIER CURSORY UPDATES 4/15/77

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NIAGARA FRONTIER COMPREHENSIVE UPDATES 04/15/77 PART 1

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NIAGARA FRONTIER COMPREHENSIVE UPDATES 04/15/77 PART 2

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NIAGARA FRONTIER COMPREHENSIVE UPDATES PART 3 4/27/77

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NIAGARA FRONTIER COMPREHENSIVE UPDATES 4/29/77 PART 4

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NIAGARA FRONTIER COMPREHENSIVE UPDATES 4/29/77 PART 5

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196.  3C1402008334000001C*08024.0
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203.  3C1402008334000J01C*0871E.E
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217.  3C1402001201000254*0621800J00.0
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235.  3C1430000075000014*04231.85
236.  3C1430000075000014*03624000.0
237.  3C1430000075000014*03525.0
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240.  3C1430000075000018*07197.6
241.  3C1430000075000018*04231.85
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248.    3C143000007500001C*03624000.0
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261.    3C1402000338000J0A*0772
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264.    3C1402000338000J18*04111.6
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289.    3C1402000397000J2A*062624.0
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293.    3C1402000397000J2A*03515.9
294.    3C1402QC0397000J2A*04245.05
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325.    3C1402QC8070000J2A*042169.56
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347.    3R143000007500001D*03188
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358.    3R1402008043000J1A*0821500J0
359.    3R1402008043000J1A*084150
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363.    3I1402000375024?5*10085.34
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366.    3114020003750242S*05237537.7
367.    3114020003750242S*050173
368.    3114020003750242S*0941815.7
369.    3114308S026400000G*05152.2
370.    3114308S026400000G*1840.3
371.    3114160016270000C*1840.3
372.    3114020012933A000*10016.68
373.    3114020012933A000*0941800.3
374.    3114020012930003A*0941800.0
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376.    3114320017430B-2-*19205
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382.    3114640001140002Z*05145.2
383.    3114640001140002Z*057110044 LBS COKE/HR CFR 60.102 AL FCC CO AFTERBURNER
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NIAGARA FRONTIER COMPREHENSIVE UPDATES PART 6 5/26/77

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7.    3C146400056300006F*0671.8
8.    3C146400056300006F*070399.3
9.    3C146400056300006F*071590.0
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13.   3C146400056300006F*075E
14.   3C146400056300006F*0771
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66.   3C140200808600001B*0874894.0
67.   3C140200808600001B*08919380259
68.   3C140200808600001C*08012.0
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70.   3C140200808600001C*0874894.0
71.   3C140200808600001C*08919380259
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NIAGARA FRONTIER COMPREHENSIVE UPDATES PART 7 8/12/77

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5.    3C14C2C0C3380C032C*03E18193.0
6.    3C1402C0C338CC032C*C3521.5
7.    3C14C2CCC447CC4WFD*C70300368.0
8.    3C14C2C0C447CC4WHD*C873C0368.0
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11.   3C1402C0C722CC001A*03521.C
12.   3C14C2C0C722C0001A*042131.68
13.   3C140200C722CCC01A*03E62000.0
14.   3C1402CCC722CCC01A*C5241.7
15.   3C14C200C72200001P*044158.7
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28.   3C14C9CCC16C13802A*14E7485
29.   3C14C9CCC16C13802A*C6218CC00.0
30.   3C14C9CCC16C140C2A*C6812CC000.0
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33.   3C14C9CCC16C14002A*C622000000.0
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37.   3C14C9CCC16C14002A*CE712CCCOC.0
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39.   3C14C9C0C16C14102A*06220CC00.0
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41.   3C14C9C0C1eC14102A*14E7481
42.   3C14C9CCC16C141C2A*CFE12CC00C.0
43.   3C14C9CCC16C14102A*C81C
44.   3C1409C0C1eC14102A*C3912C0000.0
45.   3C14C9CCC16C14102A*C890
46.   3C14C9C0C16C141C2A*CE712CCCOC.C
47.   3C14C9CCC16C14102A*1451E44
48.   3C14C9C0C16C211C2A*C7561
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51.   3C14C90CC16C211C2A*1451842
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53.   3C14C9CCC16C214C2A*C623CCC00.0
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56.   3C14C9CCC16C215C2A*C6230C200.0
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66.   3C1409C0C1eC51101A*03E52000.0
67.   3C14C9CCC16C51101A*052160.4
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86.   3C14C9CCC16C511C2A*C7112C000.0
87.   3C1409CCC16C51102A*C33102
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91.   3C14C9CCC16C51102A*0341000
92.   3C14C9CCC16C51102A*C4110.1
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94.   3C1409C0C1eC51102A*072E9C000000
95.   3C14C9CCC16C511C2A*03527.0
96.   3C1405C0C16C511C2A*042121.5
97.   3C14C900C1eC51102A*C8890C.0
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102.  3C14C9CCC16C51103A*C7SE5C.0
103.  3C14C9CCC16051103A*C7112C000C.0
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105.  3C14C9C0C16051103A*044160.4
106.  3C14C9CCC16C51103A*C8565C0000
107.  3C14C9CCC16C51103A*05E53
108.  3C14C9C0C16051103A*0341000
109.  3C14C9CCC16C51103A*C4110.1
110.  3C14C9C0C16C51103A*CE1773.8
111.  3C14C9C0C16051103A*072E9C000000
112.  3C14C9CCC16C51103A*03527.C
113.  3C1405CCC16C51103A*042121.5
114.  3C1409C0C1eC51103A*C8850C.0
115.  3C14C9CCC16051103A*062115000.0
116.  3C14C9C0C16C51104A*032125
117.  3C14C9C0C1eC51104A*03E52C00.0
118.  3C14C9CCC16C51104A*052160.4
119.  3C14C9CCC16C51104A*C7SE5C.C
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120.    3C14C9CCC16C51104A*C7112CCCO.0
121.    3C14C9C0C16C51104A*033102
122.    3C14C9C0C16C51104A*04416C.4
123.    3C14C9CCC16C51104A*C85C5C0000
124.    3C14C9CCC16C51104A*05E53
125.    3C14C9C0C16C51104A*C341000
126.    3C14C9CCC16C51104A*C4110.1
127.    3C14C9CCC16C511C4A*C87773.8
128.    3C1409000I*051104A**072E9C000000
129.    3C14C9CCC16C51104A*03527.C
130.    3C14C9CCC16C51104A*C42121.5
131.    3C14C9C0C16051104A*C88500.0
132.    3C14C9CCC160511C4A*062115C00.0
133.    3C14C9CCC16051105A*032125
134.    3C1409C0C16C51105A*C4113.0
135.    3C14C9CCC16051IC5A*C331C2
136.    3C14C9CCC16C511C5A*C42157.C
137.    3C14C9C0C16C511C5A*C621000.0
138.    3C14C9CCC16051IC5A*C7113C0.0
139.    3C14C9CCC16CE3102A*CE57530000
140.    3C14C9CCC16C63102A*052267.1
141.    3C14C9CCC16C63102A*07222CCCCC0C0
142.    3C14C9C0C16CC3102A*04111.2
143.    3C14C9CCC16C63102A*C87860.0
144.    3C14C9CCC16CE3102A*C3435C
145.    3C14C900C16C63102A*07025100C.0
146.    3C14C9CCC16C62102A*042135.0
147.    3C14C9CCC16CE3102A*C88587.C
148.    3C14C9C0C160E3102A*03555.0
149.    3C14C9CCC16CE3102A*062253000.0
150.    3C14C9CCC16CE3102A*044267.1
151.    3C14C9C0C16CE3102A*036E3C00.0
152.    3C14C9CCC16C631C2A*071265C00.0
153.    3C14C900C16C631C3A*C897530000
154.    3C14C9C0C16C63103A*C52267.1
155.    3C14C9CCC16CE3103A*C7222C0C00000
156.    3C14C9C0C16CC3103A*04111.2
157.    3C14C9CCC16CC3103A*C87860.0
158.    3C1409C0C16CE3103A*C34350
159.    3C14C900C16CC3103A*C7025100C0.0
160.    3C14C9CCC16C63103A*042135.0
161.    3C14C9CCC16CE3103A*C88567.C
162.    3C14C900C160E3103A*03555.0
163.    3C14C9C0C16CE3103A*C62253000.0
164.    3C1409CCC16CE3103A*044267.1
165.    3C14C900C1C063103A*036E3C00.0
166.    3C14C9C0C16CE3103A*C71265000.0
167.    3C14E4CCE381CCCC1A*07212C0C0
168.    3C14E4CCE381C0CC1A*0527.5
169.    3C14E4CCE381C00C1A*03450C
170.    3C14E400E3310000C1A*0412.0
171.    3C14E4CCE3810C0C1A*07C50.0
172.    3C14E4CCE381CC0C1A*CE2133.C
173.    3C14E4C0E3810000IA*03372
174.    3C14E4CCE381CC001A*04226.69
175.    3C14E4CCE381CCCC1A*064240
176.    3C14E400E3810000I4*05E53
177.    3C14E4CCE381CCCC1A*0353.5
178.    3C14E4CCE381CC001A*04415.C
179.    3C14E4CCE381C00014*071133.0
180.    3C14E4CCE381C00C1A*0366000.0
181.    3C14E4CCE381000C1C*07212CCCO
182.    3C14E4CCE381C0001C*04415.0
183.    3C14E4CCE381CCCC1C*03312
184.    3C14E400E3810000IC*0412.0
185.    3C14E4CCE381CCCC1C*07C50.0
186.    3C14E4CCE381C0CC1C*062133.0
187.    2C14E4CCE381C0001C*0353.5
188.    3C14E4CCE381CCCC1C*04226.69
189.    3C14E400E381C0CC1C*CE4240
190.    3C14E4CCE381C0001C*071133.C
191.    3C14E400E381C0001C*0366000.0
192.    3C14E4CCE381C0C01C*0527.5
193.    3C14E40CE381C00C1C*034500
194.    3I14C9C0C160C138Q*045287
195.    3I14C9CCC1C001380*094237.2
196.    3I14C9C0C160C138Q*0980.036
197.    3I140SC0016C0138Q*C689
198.    3I14C900C1C001380*10054.9
199.    3I14C900C16001380*09260400.0
200.    3I14C9CCC16C01380*C5112.8
201.    3I14C9C0016001380*1020.05
202.    3I14C9C0C160C1380*C931
203.    3I14C9CCC16CC1380*0955.6
204.    3I14C9C0C16001380*1036
205.    3I14C9CCC16CC1380*1C9C.3
206.    3I14C9CCC16001380*1130.3
207.    3I14C9CCC160C1380*106240
208.    3I14C9CCC16CC1380*1105.6
209.    3I14C900C16001380*1141
210.    3I14C9CCC16001380*1076C400.0
211.    3I14C9C0C160C1380*111365
212.    3I14C900C16001380*1150.3
213.    3I14C9CCC16001380*1C81
214.    3I14C9CCC16CC1380*1120
215.    3I14C9C0C16001380*11C8
216.    3I14C9CCC16CC1380*1175.2
217.    3I140SCCC16CC1380*1181
218.    3I140SCCC16C01720*049418
219.    3I14C9CCC16CC1720*094322.7
220.    3I14C9CCC16CC1720*C980.C49
221.    3I14C9CCC16CC1720*0516.0
222.    3I14C9C0C16CC1720*100129.1
223.    3I14C9C0C1CC01720*092190C00.0
224.    3I140SCCC160C1720*C689
225.    3I14C9C0C16001720*1020.05
226.    3I14C9C0C1C001720*C931
227.    3I14C9C0C16001720*09511.9
228.    3I14C9CCC16CC1720*1C36
229.    3I14C9C0C1C001720*109C.40
230.    3I14C9CCC16001720*1130.40
231.    3I14C9CCC16CC1720*106240
232.    3I14C9CCC1C001720*11011.9
233.    3I14C9CCC16001720*1141
234.    3I14C9CCC1CCC1720*1C719CCCO.C
235.    3I14C9C0C1C001720*1113C5
236.    3I14C9CCC16CC1720*115C.4C
237.    3I140SCCC16CC1720*1081
238.    3I14C9CCC16C01720*1128
239.    3I14C9CCC16CC172C*1168
240.    3I14C9CCC16CC1720*1175.2
241.    3I14C9CCC16CC1720*1181
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242.    3114C9CCC16C02140*049366
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244.    3114C9CCC16002140*C98C.052
245.    3114C9C0C16C02140*C685
246.    3114C9C0C16C02140*100147.4
247.    3114C9CCC16CC2140*C92264C00.C
248.    3114C9CCC16C02140*C51E.4
249.    3114C9CCC16C02140*102C.C5
250.    3114C9C0C16C02140*0531
251.    3114C9C0C16CC2140*05511.2
252.    3114C9CCC16CC2140*1036
253.    3114C9CCC16002140*1030.47
254.    3114C9C0C16C02140*1130.47
255.    3114C900C16C02140*106240
256.    3114C9CCC16C02140*11011.2
257.    3114C9C0C16C02140*1141
258.    3114C9C0C16C02140*1C72C4C00.0
259.    3114C9C0C16C07140*111365
260.    3114C9C0C16C02140*115C.47
261.    3114C9C0016002140*1081
262.    3114C900C16C02140*1128
263.    3114C9C001C002140*11C8
264.    3114C9CCC16CC2140*1175.2
265.    3114C9CCC16CC2140*1181
266.    3114C9C0C16C05001*050130
267.    3114C9CCC16C05C01*C5150.6
268.    3114C9CCC16CC5001*C521544CC.0
269.    3114C9CCC16CC5C01*092231C000.0
270.    3114C9CCC16CC5001*0943E4C0.0
271.    3114C9CCC16CC5001*100240.2
272.    3114C9CCC16C05001*C983E4.0
273.    3114C9CCC16CC5C01*10276.0
274.    3114C9C0C16014403*049217
275.    3114C9CCC16C14403*C5120.9
276.    3114C9C0C16014403*1161
277.    3114C9C0C1C014403*050130
278.    3114C9C0C16014403*11356.6
279.    3114C9CCC16C14403*CC2289CCC.C
280.    3114C9C001C014403*048156
281.    3114C9CCC16C14403*1141
282.    3114C9CCC160144C3*CC3130
283.    3114C90001C014403*052289C00.C
284.    3114C9C0C16C14403*1175.2
285.    3114C9CCC16C21500*0474C
286.    3114C9C0C1CC21500*05148.E
287.    3114C9CCC16C21500*1152.13
288.    3114C9CCC16C215C0*C491C
289.    3114C9C0C16C21500*0523E0C.0
290.    3114C9CCC16C21500*1133.45
291.    3114C9C0C16C21500*C491C
292.    3114C9C001C021500*098C.55
293.    3114C9CCC16C21500*C50140
294.    3114C9CCC16C215C0*1C953.2
295.    3114C9C0C16022901*C5183.2
296.    3114C9C0C16C22901*1E59
297.    3114C9CCC16C22901*18E3CCCC
298.    3114C9CCC16C22901*187540
299.    3114C9CCC16023100*C4875
300.    3114C9CCC16C231C0*049732
301.    3114C9CCC16C231C0*C5C55
302.    3114C9CCC160231C0*C51C.E1
303.    3114C9C0C16023100*052132C00.0
304.    3114C9C0C16C23100*10233.94
305.    3114C9CCC16C2310C*1799
306.    3114C900C16023100*181C.E5
307.    3114C9C0C16C23100*18C55C00
308.    3114C9CCC16C23600*04875
309.    3114C900C1C023600*049732
310.    3114C9CCC16C23600*05055
311.    3114C9CCC16C23600*0511.E1
312.    3114C900C16023600*052296C00.0
313.    3114C9C0C16C23600*094117.2
314.    3114C9CCC16C23600*10276.11
315.    3114C9C0C16023600*18C1C3800
316.    3114C9C0C16C23600*1799
317.    3114C9CCC16C23600*181C.E5
318.    3114C900016024100*04875
319.    3114C9C0C16C24100*049732
320.    3114C9C0C16C2410C*05C55
321.    3114C9CCC16C24100*0511.28
322.    3114C9CCC16C24100*05221CC00.0
323.    3114C9CCC16C24100*09483.E
324.    3114C9CCC16C24100*10254.C0
325.    3114C9CCC16C24100*18C88CC0
326.    3114C9CCC16C24100*1799
327.    3114C900C16024100*181C.E5
328.    3114C9CCC16C24600*04875
329.    3114C9C0C16024600*C49732
330.    3114C9C0C16C24600*05055
331.    3114C9CCC16C24600*0511.53
332.    3114C9C0C16C24600*05225CCC0.C
333.    3114C900C16024600*09499.2
334.    3114C9CCC16C24600*10264.29
335.    3114C9C0C16024600*1799
336.    3114C9C0C16024600*181C.E5
337.    3114C9C0C16024600*18C1C4600
338.    3114C9CCC16C25100*C4875
339.    3114C9C0C16025100*049732
340.    3114C9CCC16C2510C*C5C55
341.    3114C9CCC16C25100*0511.E1
342.    3114C900C16025100*C52256C00.0
343.    3114C9CCC16C25100*C94117.2
344.    3114C9CCC16C25100*10276.11
345.    3114C9C0C16C25100*18C124C00
346.    3114C9CCC16C25100*1799
347.    3114C9CCC16C25100*181C.E5
348.    3114C9C0C16025600*04875
349.    3114C9CCC16C25600*049732
350.    3114C9CCC16025600*05C55
351.    3114C9CCC16C25600*0512.29
352.    3114C9C0C16C25600*052375C00.0
353.    3114C9C0C16C25600*094148.8
354.    3114C9C0C16C25600*1029C.43
355.    3114C9C0C16C25600*180156800
356.    3114C9C0C16C25600*1799
357.    3114C9C0C16025600*181C.E5
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NIAGARA FRONTIER COMPREHENSIVE UPDATES FOR 1975 PART 1

1. CC1464001700000175*825[redacted]421.30
2. CC1464001700000275*825[redacted]1334.29
3. CC1402008330000175*8250.69
4. CC14020C8330000175*8289.01
5. CC1402008330000175*87376.48
6. CR14648SB376000175*81024.0
7. CR14648SE376000175*8117
8. CR14648983760000175*81228
9. CR14648983760000175*820250
10. CR14648SB376000175*82156.0
11. CR14648983760000175*822400.0
12. CR14648983760000175*825220.95
13. CC14648903370PH3375*820126
14. CC14648S03370PH3375*82159.7
15. CC14648S03370PH3375*82239535.0
16. CC14648S03370PH3575*820127
17. CC14648S03370PH3575*82143.4
18. CC14648S03370PH3575*82228789.0
19. CC14648S03370PH3675*820127
20. CC14648903370PH3675*82143.4
21. CC14648S03370PH3675*82228789.0
22. CC14648903370PH3475*820125
23. CC14648903370PH3475*82147.1
24. CC14648S03370PH3475*82231206.0
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26. CC1464001062000E75*8.245
27. CC1464C01062000E75*82216000.0
28. CC1464C01062000E75*82512.02
29. CC1464001062000E75*828164.07
30. CC1464001062000E75*8731045.0
31. CC1448008292000275*87427.2
32. CC1402001273000175*8100.0
33. CC1402001273000175*8110
34. CC1402001273000175*8120
35. CC1402001273000175*8250.00
36. CC1402001273000175*8280.00
37. CC1402001273000175*8730.0
38. CC1464000783000E175*8117
39. CC1464000783000E175*81225
40. CC1464000783000E175*82527.99
41. CC1464000783000E175*828385.20
42. CC1464000783000E175*8732230.46
43. DC1456010159000107S
44. CC1402008361000175*8259.26
45. CC1402008361000175*8283.30
46. CC1402008361000175*87330.90
47. CC1448010573000175*8250.16
48. CC1448010573000175*8282.11
49. CC1448010573000175*87315.80
50. CC1448010573000167S*8250.32
51. CC1448010573000167S*8284.22
52. CC1448010573000167S*87331.60
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54. CC1448010573000157S*8284.22
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56. CC1452011372000175*8117
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58. CC1452011372000175*8258.15
59. CC1452011372000175*828108.79
60. CC1452011372000175*873815.20
61. CC1464018315000175*8117
62. CC1464018315000175*81226
63. CC1464018315000175*8250.95
64. CC1464018315000175*82812.42
65. CC1464018315000175*873105.45
66. CC1464018314000175*8117
67. CC1464018314000175*81221
68. CC1464018314000175*8251.29
69. CC1464018314000175*82816.89
70. CC1464018314000175*873143.42
71. CC1402000169000275*81012.0
72. CC1402000169000275*8117
73. CC1402000169000275*81239
74. CC1402000169000275*8252.90
75. CC1402000169000275*82837.08
76. CC1402000169000275*873363.39
77. CC1402000829600037S*81012.0
78. CC1402000829600037S*8117
79. CC1402000829600037S*81247
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81. CC1402000829600037S*82814.74
82. CC1402000829600037S*873144.40
83. CC1402000022200001758*81016.0
84. CC1402000022200001758*8117
85. CC1402000022200001758*81246
86. CC1402000022200001758*8252.38
87. CC1402000022200001758*82831.67
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91. CC1402000022200002758*81246
92. CC1402000022200002758*8252.38
93. CC1402000022200002758*82831.67
94. CC1402000022200002758*873244.53
95. CC1402000824600001758*8106.0
96. CC1402000824600001758*8117
97. CC1402C00824600017S*81230
98. CC1402000824600001758*8251.84
99. CC1402000824600001758*82825.12
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102. CC1402000825600001758*8117
103. CC1402000825600001758*81230
104. CC1402000825600001758*8251.35
105. CC1402000825600001758*82818.37
106. CC1402000825600001758*873117.0
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108. DC1402000553000027S
109. CC1402001201000275*81024.0
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111. CC1402001201000275*8124
112. CC1402001201000275*8250.21
113. CC1402001201000275*8280.01
114. CC1402001201000275*87420224.0
115. CI1402001201000307S*8117
116. CI1402001201000307S*81240
117. CI1402001201000307S*82494.51
118. CI1402001201000337S*82594.51
119. CI1402001201000307S*826180.03

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120.      C1140200120100029 75*8117
121.      C1140200120100029 75*81217
122.      C1140200120100029 75*82419.44
123.      C1140200120100029 75*82519.44
124.      C1140200120100029 75*8265E.51
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NIAGARA FRONTIER COMPREHENSIVE UPDATES FOR 1975 PART2 5/26/77

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CC2911000217000027 5*8251.31
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CC1432001017000657 5*828393.55
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CC1432001017000657 5*870674.05
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CC1402000447000287 5*828870.28
CC1402000447000287 5*873598.95
CC1464000563000067 5*8251.50
CC1464000563000067 5*8280.09
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CI2911000361SS-0875*81243
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CI2911000361SS-2A75*82518.92
CI2911000361SS-2A75*873498.5
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CI2911000361SS-4A75*81241
CI2911000361SS-4A75*82516.33
CI2911000361SS-4A75*873475.3
CI2911000361SS-4A75*87489544.0
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CI1464000114000237 5*8121
CI1464000114000237 5*8254.44
CI1464000114000077 5*8281237.55
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CI1402000982000117 5*81245
CI1402000982000117 5*82577.21
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NIAGARA FRONTIER COMPREHENSIVE UPDATES FOR 1975 PART 3 8/12/77

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CI14090C0160013807 5*8131C0000000CCC
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CI14C900C16C0172075*8280.16
CI14C9C0C16CC214075*824560.16
CI14090C0160021407 5*8270.70
CI14C9C0C16C0214075*825560.16
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CI14C9C0C16C141C075*8271C.58
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CI14C9CCC16C1400175*82525.78
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CI14C9C0C16C1410175*8213.8
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CI14090001601410175*82281000.0
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CI14C9C0C160211017 5*8272C.94
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CI14C9C0C160211017 5*8282C.94
CI14C9CCC16C2140175*8102.5
CI14C9C0016C2140175*82489.53
CI14C900C160214017 5*82720.94
CI14C9C0C160214017 5*82589.53
CI14C9CCC16C2140175*8282C.94
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CI14C9CCC160215017 5*825192.06
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120.      CC14C2C0C338C003075*8117
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123.      CC14C2CCC338CCC3075*827102.19
124.      CC14C2CCC338CCC3075*8257.82
125.      CC140200C338CCC3075*828102.19
126.      CC14C2CCC338C003075*873856.4
127.      CC14C2CCC338CCC3075*8746552.0
128.      CC14C20CC338CCC3175*81C16.0
129.      CC1402C0C338CC03175*8117
130.      CC14C2CCC338CCC3175*81220
131.      CC1402CCC338CCC3175*8240.52
132.      CC1402C00338DC03175*8273.12
133.      CC14C2C0C338000317S*825C.52
134.      CC1402C0C338CC03175*8283.12
135.      CC1402C0C338000317S*87326.C
136.      CC14C2C0C3380003175*87456807.0
137.      CC1402CCC338CCC3275*81017.C
138.      CC1402C0C338CC03275*8117
139.      CC1402CCC338CCC3275*81240
140.      CC1402C0C338CCC3275*8249.7C
141.      CC14C2C0C338000327S*827127.11
142.      CC14C2C0C338CC03275*8259.7C
143.      CC1402C0C338000327S*828127.11
144.      CC14C2C0C338CC03275*8731065.3
145.      CC140200C338000327S*8742661.0
146.      CC1402C0C357CC0C275*81C24.0
147.      CC14C2CCC357C000275*8117
148.      CC14C2CCC357C000275*81252
149.      CC14C20CC357000C275*82C340
150.      CC14C2CCC357C0CC275*82113.3
151.      CC1402C0C357CC00275*82215720.0
152.      CC1402CCC357C000275*824124.8C
153.      CC1402CCC357CC00275*827101.08
154.      CC14C2C0C357CC0C275*82514.88
155.      CC140200C357000C275*82E101.08
156.      CC14C2C0C357C000275*86728CC.0
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APPENDIX C

POINT SOURCE QUESTIONNAIRES FOR THE COMPREHENSIVE UPDATE

New York State Department of Environmental Conservation
584 Delaware Ave., Buffalo, NY 14202

Peter A.A. Berle
Commissioner

February 24, 1977

re: Data Required for Emission Inventory

Gentlemen:

We are currently conducting an update of the Niagara Frontier emission inventory. We have reviewed the AIR 100 applications, inspection reports, and correspondence in our files and find that we do not have certain information on your air pollution sources that is needed for the inventory.

The attached questionnaires and instructions show the information that is required to complete the emission inventory for your sources. It is suggested that you read the instructions carefully before completing the forms. Although many forms may be attached and the task may look formidable at first glance, in many cases only part of each sheet need be completed. Also, the proper completion of the forms will eliminate any need for further contact on this project. Please submit the completed questionnaires within two weeks to the New York State Department of Environmental Conservation, 584 Delaware Ave., Buffalo, NY 14202.

If you have any questions, please contact Mr. James McGarry of the above address at 842-3837.

Very truly yours,

Robert A. Armbrust, P.E.
Regional Air Quality
Control Engineer

JMcG/lb
Att.

INSTRUCTIONS FOR COMPLETING THE QUESTIONNAIRES[1]

Enclosed you will find sets of questionnaires corresponsing to emission points at your plant for which information is needed. Please complete only those questions marked in the left-hand column with an "X". The identification numbers at the top of each page refer to the AIR 100 location, facility, emission point, and/or unit letter to which the questionnaire applies. Carefully read the question and any associated notes before inserting the requested information. A "comments" section has been included with each questionnaire to identify any specific information that we feel will be helpful to you in completing the questionnaire. The "comments" section can also be used by you to explain special situations or to clarify any information that you may supply.

Because calendar year 1975 has been chosen as the "base year" for this analysis, it is necessary to obtain information detailing any unusual operating conditions that may have occurred at your plant in 1975. For that reason a second set of questionnaires may be enclosed with the phrase "complete for calendar year 1975" in the "comments" section. This request is being made only if insufficient data exist in the Department of Environmental Conservation office in Buffalo to determine if any irregular operating conditions occurred. If you receive the 1975 questionnaire but had no unusual operating conditions during that calendar year, so indicate under the "comments" section and return the 1975 questionnaire.

Please complete the following information for our records:

Name of plant representative completing questionnaire _____

Title _____

Phone number _____

Date _____

(1) The purpose of this air pollution questionnaire is to obtain data that are missing or inconsistent in the Department of Environmental Conservation file for certain emission points at your facility.

STATIONARY COMBUSTION - STACK PARAMETERS

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

_____ 1. Height of the stack measured from ground level at base of stack to top of stack _____ feet.

_____ 2. Inside diameter at the top of the stack (to the nearest inch) _____ inches. For stacks of square or rectangular cross-section, specify inside length and width at top of stack to the nearest inch _____ inches (length) _____ inches (width).

_____ 3. Stack gas exit temperature _____ degrees Fahrenheit.

_____ 4. Stack gas exit flow rate in cubic feet per minute at actual stack temperature and pressure. If more than one boiler vents through the stack, the stack gas exit flow rate is the combined flow rate of all boilers _____ actual cubic feet per minute.

_____ 5. Combined particulate emission rate from all boilers venting to the stack as determined by an accepted stack test of this emission point _____ pounds per hour.

_____ 6. Combined sulfur oxides emission rate from all boilers venting to the stack as determined by an accepted stack test of this emission point _____ pounds per hour.

_____ 7. Total heat input for all boilers venting through the stack at which the installation (all units connected to the stack) was operated when an accepted stack test was performed. If no stack test was conducted, provide the maximum heat input at which the installation (all units connected to the stack) has or will be operated _____ million Btu per hour.

COMMENTS:

_____

_____

_____

_____

_____

_____

_____

_____

_____

STATIONARY COMBUSTION - DESCRIPTION

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

UNIT I.D. _____

_____1. Provide the heat input at which the unit was operated when an accepted stack test was performed. If no stack test has been conducted, provide the maximum heat input at which the unit has or will be operated. In cases where there is more than one burner associated with this unit, the unit heat input must reflect all burners that are operated simultaneously. Indicate which burners are operated simultaneously and the length of simultaneous operation in the "comments" section below. Note that the sum of the unit heat inputs for all boilers venting through the same stack must equal the total heat input specified on the stack parameter questionnaire.

_____ million Btu per hour

COMMENTS:

_____

_____

_____

_____

_____

_____

_____

IMPORTANT:

A questionnaire is enclosed for each type of fuel utilized by the above emission point and unit according to information made available to us. If another type of fuel is used, please contact us to obtain the appropriate questionnaire. If the same burner is utilized for more than one type of fuel, so indicate on the questionnaire for each fuel type.

STATIONARY COMBUSTION - DESCRIPTION

FUEL TYPE-COAL

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

UNIT I.D. _____

_____ 1. Specify burner type from the following list: If more than one burner is used for this fuel, identify each.

01 - Pulverized, dry bottom
03 - Pulverized, wet bottom no flyash reinjection
05 - Pulverized, wet bottom with flyash reinjection
07 - Cyclone
09 - Pulverized, general
13 - Spreader stoker with flyash reinjection
15 - All other stokers
16 - Spreader stoker no flyash reinjection
17 - Hand-fired
19 - All not listed

Burner 1 _____
Burner 2 _____
Burner 3 _____

Indicate applicable code number from list and follow this burner sequence throughout the questionnaire.

_____ 2. Average number of hours per day and days per year that the burner(s) are operated (list separately for each burner):

Burner 1 _____ hours/day _____ days/year
Burner 2 _____ hours/day _____ days/year
Burner 3 _____ hours/day _____ days/year

_____ 3. Provide yearly fuel consumption rate (for each burner)

Burner 1 _____ pounds/year
Burner 2 _____ pounds/year
Burner 3 _____ pounds/year

_____ 4. Provide the firing rate at which each burner was operated when an accepted stack test was performed. If no stack test was conducted, provide the maximum firing rate at which each burner has or will be operated:

Burner 1 _____ pounds/hour
Burner 2 _____ pounds/hour
Burner 3 _____ pounds/hour

_____ 5. Provide the maximum firing rate for each burner as specified by the manufacturer:

Burner 1 _____ pounds/hour
Burner 2 _____ pounds/hour
Burner 3 _____ pounds/hour

_____ 6. Provide the heating value of the fuel: _____ Btu/pound (anthracite)
_____ Btu/pound (bituminous)

_____ 7. Indicate whether any of the burners are used <u>solely</u> for standby:

Burner 1 _____ yes _____ no
Burner 2 _____ yes _____ no
Burner 3 _____ yes _____ no

_____ 8. Provide the average sulfur and ash content of the fuel as percent by weight:

Percent sulfur _____ Percent ash _____

_____ 9. Specify fuel type used for each burner (anthracite or bituminous).

Burner 1 _____ Burner 3 _____
Burner 3 _____

COMMENTS:

_____
_____
_____

STATIONARY COMBUSTION - DESCRIPTION

FUEL TYPE - DISTILLATE OIL

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

UNIT I.D. _____

_____1. Specify burner type from the following list: If more than one burner is used for this fuel, identify each.

51 - Pressure atomized burners
52 - Steam atomized burners
53 - Air atomized burners
54 - Rotary cup burners
55 - Sonic atomizer
59 - Other oil atomization types

Burner 1 _____
Burner 2 _____
Burner 3 _____

Indicate applicable code number from list and follow this burner sequence throughout the questionnaire

_____2. Average number of hours per day and days per year that the burner(s) are operated (list separately for each burner):

Burner 1 _____ hours/day _____ days/year
Burner 2 _____ hours/day _____ days/year
Burner 3 _____ hours/day _____ days/year

_____3. Provide yearly fuel consumption rate (for each burner).

Burner 1 _____ gallons/year
Burner 2 _____ gallons/year
Burner 3 _____ gallons/year

_____4. Provide the firing rate at which each burner was operated when an accepted stack test was performed. If no stack test was conducted, provide the maximum firing rate at which each burner has or will be operated:

Burner 1 _____ gallons/hour
Burner 2 _____ gallons/hour
Burner 3 _____ gallons/hour

_____5. Provide the maximum firing rate for each burner as specified by the manufacturer:

Burner 1 _____ gallons/hour
Burner 2 _____ gallons/hour
Burner 3 _____ gallons/hour

_____6. Provide the heating value of the fuel and state whether No. 1 or No. 2 oil is used: _____ Btu/gallon

_____ Fuel type

_____7. Indicate whether any of the burners are used <u>solely</u> for standby:

Burner 1 _____ yes _____ no
Burner 2 _____ yes _____ no
Burner 3 _____ yes _____ no

_____8. Provide the average sulfur content of the fuel as percent by weight:

Percent sulfur _____

COMMENTS:

_____

_____

_____

STATIONARY COMBUSTION - DESCRIPTION

FUEL TYPE - RESIDUAL OIL

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

UNIT I.D. _____

_____1. Specify burner type from the following list: If more than one burner is used for this fuel, identify each.

51 - Pressure atomized burners	54 - Rotary cup burners
52 - Steam atomized burners	55 - Sonic atomizer
53 - Air atomized burners	59 - Other oil atomization types

Burner 1 _____
Burner 2 _____
Burner 3 _____

Indicate applicable code number from list and follow this burner sequence throughout the questionnaire

_____2. Average number of hours per day and days per year that the burner(s) are operated (list separately for each burner):

Burner 1 _____ hours/day _____ days/year
Burner 2 _____ hours/day _____ days/year
Burner 3 _____ hours/day _____ days/year

_____3. Provide yearly fuel consumption rate (for each burner).

Burner 1 _____ gallons/year
Burner 2 _____ gallons/year
Burner 3 _____ gallons/year

_____4. Provide the firing rate at which each burner was operated when an accepted stack test was performed. If no stack test was conducted, provide the maximum firing rate at which each burner has or will be operated:

Burner 1 _____ gallons/hour
Burner 2 _____ gallons/hour
Burner 3 _____ gallons/hour

_____5. Provide the maximum firing rate for each burner as specified by the manufacturer:

Burner 1 _____ gallons/hour
Burner 2 _____ gallons/hour
Burner 3 _____ gallons/hour

_____6. Provide the heating value of the fuel and state whether No. 4, No. 5, or No. 6 oil is used: _____ Btu/gallon.

_____ Fuel type

_____7. Indicate whether any of the burners are used <u>solely</u> for standby:

Burner 1 _____ yes _____ no
Burner 2 _____ yes _____ no
Burner 3 _____ yes _____ no

_____8. Provide the average sulfur content of the fuel as percent by weight:

Percent sulfur _____

COMMENTS:

_____
_____
_____
_____

STATIONARY COMBUSTION - DESCRIPTION

FUEL TYPE - NATURAL GAS

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

UNIT I.D. _____

_____ 1. Specify burner type from the following list: If more than one burner is used for this fuel, identify each.

60 - Atmospheric gas burner
61 - Natural draft power gas burner
62 - Forced draft power gas burner
69 - Other natural gas types

Burner 1 _____
Burner 2 _____
Burner 3 _____

Indicate applicable code number from list and follow this burner sequence throughout the questionnaire

_____ 2. Average number of hours per day and days per year that the burner(s) are operated (list separately for each burner):

Burner 1 _____ hours/day _____ days/year
Burner 2 _____ hours/day _____ days/year
Burner 3 _____ hours/day _____ days/year

_____ 3. Provide yearly fuel consumption rate (for each burner).

Burner 1 _____ cubic feet/year
Burner 2 _____ cubic feet/year
Burner 3 _____ cubic feet/year

_____ 4. Provide the firing rate at which each burner was operated when an accepted stack test was performed. If no stack test was conducted, provide the maximum firing rate at which each burner has or will be operated:

Burner 1 _____ cubic feet/hour
Burner 2 _____ cubic feet/hour
Burner 3 _____ cubic feet/hour

_____ 5. Provide the maximum firing rate for each burner as specified by the manufacturer:

Burner 1 _____ cubic feet/hour
Burner 2 _____ cubic feet/hour
Burner 3 _____ cubic feet/hour

_____ 6. Provide the heating value of the fuel: _____ Btu/cubic foot

_____ 7. Indicate whether any of the burners are used <u>solely</u> for standby:

Burner 1 _____ yes _____ no
Burner 2 _____ yes _____ no
Burner 3 _____ yes _____ no

COMMENTS:

_____
_____
_____

STATIONARY COMBUSTION - DESCRIPTION 8

FUEL TYPE - OTHER

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

UNIT I.D. _____

_____ 1. Specify the type of fuel burned if other than residual or distillate oil, coal, or natural gas, If more than one type of "other" fuel is burned, complete a separate description questionnaire for each type. Please xerox this questionnaire if insufficient number have been enclosed.

Fuel type _____

_____ 2. Describe the type(s) of burner utilized for this fuel:
Burner 1 _____
Burner 2 _____
Burner 3 _____
Note: Follow this burner sequence throughout the questionnaire.

_____ 3. Average number of hours per day and days per year that the burner(s) are operated (list separately for each burner):
Burner 1 _____ hours/day _____ days/year
Burner 2 _____ hours/day _____ days/year
Burner 3 _____ hours/day _____ days/year

_____ 4. Provide the yearly fuel consumption rate (for each burner) as follows: pounds/year for solid fuel, gallons/year for liquid fuel, and cubic feet per year for gaseous fuel:
Burner 1 _____ (specify units)
Burner 2 _____ (specify units)
Burner 3 _____ (specify units)

_____ 5. Provide the firing rate at which each burner was operated when an accepted stack test was performed. If no stack test was conducted, provide the maximum firing rate at which each burner has or will be operated: units are pounds/hour for solid fuel, gallons/hour for liquid fuel, and cubic feet per hour for gaseous fuel.
Burner 1 _____ (specify units)
Burner 2 _____ (specify units)
Burner 3 _____ (specify units)

_____ 6. Provide the maximum firing rate for each burner as specified by the manufacturer: use the same units as requested in Item 5.
Burner 1 _____ (specify units)
Burner 2 _____ (specify units)
Burner 3 _____ (specify units)

_____ 7. Provide the heating value of the fuel in Btu per pound, gallon, or cubic foot: _____ (specify units)

_____ 8. Indicate whether any of the burners are used <u>solely</u> for standby:
Burner 1 _____ yes _____ no
Burner 2 _____ yes _____ no
Burner 3 _____ yes _____ no

_____ 9. Provide the average sulfur and ash content of the fuel as percent by weight:
Percent sulfur _____ Percent ash _____

COMMENTS:

_____

_____

_____

_____

STATIONARY COMBUSTION - AIR POLLUTION CONTROL EQUIPMENT

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

NOTE: If more than one control device is associated with this emission point, a separate control equipment questionnaire must be provided for each.

_____ 1. Specify control equipment type from following list:

002 - Cyclone	006 - Other type scrubber
003 - Settling chamber	007 - Filters (baghouse)
004 - Electrostatic precipitator	009 - Other
005 - Venturi scrubber	999 - None

Control equipment type _____

_____ 2. Indicate the pollutant controlled.

Particulate _____
Sulfur oxides _____

_____ 3. Provide the manufacturers rated design efficiency in percent:

Particulate _____
Sulfur oxides _____

_____ 4. Specify the actual overall removal efficiency of the control equipment in percent:

Particulate _____
Sulfur oxides _____

_____ 5. Indicate how the specified actual efficiency was determined.

_____
_____
_____
_____

COMMENTS:

_____
_____
_____
_____
_____
_____
_____

INDUSTRIAL PROCESS - STACK PARAMETERS

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

_____ 1. Height of the stack measured from ground level at base of stack to top of stack _____ feet.

_____ 2. Inside diameter at the top of the stack (to the nearest inch) _____ inches. For stacks of square or rectangular cross-section, specify inside length and width at top of stack to the nearest inch _____ inches (length) _____ inches (width).

_____ 3. Stack gas exit temperature _____ degrees Fahrenheit.

_____ 4. Stack gas exit flow rate in standard dry cubic feet per minute (standard conditions - $70^{o}F$ and 29.92 inches mercury). If more than one process vents to the stack, the stack gas exit flow rate is the combined flow rate of all processes _____ standard dry cubic feet per minute.

COMMENTS:

_____

_____

_____

_____

_____

_____

_____

_____

INDUSTRIAL PROCESS - DESCRIPTION

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

NOTE: If several identical processes vent to the stack, the following information must reflect the sum of all processes. If several processes vent to the stack that are not identical, a separate description questionnaire must be provided for each process.

Number of Identical Units _____ Number of Dissimilar Units _____

_____ 1. Provide process production or input rate as specified in the following: _____

_____

_____

_____ 2. Provide the following in-process fuel information:

a. Types of fuel used

type 1 _____

type 2 _____

type 3 _____

b. Average hourly fuel feed rate for process and associated control equipment

type 1 _____ rate must be specified in gallons, cubic feet, or pounds per hour

type 2 _____

type 3 _____

c. Percent sulfur and ash content of fuel by weight

type 1 _____ % sulfur _____ % ash

type 2 _____ % sulfur _____ % ash

type 3 _____ % sulfur _____ % ash

d. Btu content of fuel

type 1 _____ heat content must be specified in Btu/gallon, Btu/cubic foot, or Btu/pound

type 2 _____

type 3 _____

_____ 3. Average number of hours per day and days per year process is in operation: If more than one process vents to this stack and each has a different operating schedule, provide specific operation information in the "comments" section.

_____ hours/day _____ days/year

_____ 4. If the emission rate potential and actual emissions for this process are not based on the production or input rate specified in item 1, provide detailed calculations on a separate sheet of paper that show how these rates were determined.

COMMENTS:

_____

_____

_____

_____

_____

INDUSTRIAL PROCESS - AIR POLLUTION CONTROL EQUIPMENT

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

NOTE: If more than one control device is associated with this emission point, a separate control equipment questionnaire must be provided for each.

_____ 1. Describe type of air pollution control device for:

a. Particulate removal _____

_____

b. Sulfur oxides removal _____

_____

_____ 2. Identify all processes that vent to this control device:

_____

_____

_____

_____ 3. Provide the actual operating removal efficiency of the control device:

a. Percent particulate removal _____

b. Percent sulfur oxides removal _____

COMMENTS:

_____

_____

_____

_____

_____

_____

INCINERATOR - STACK PARAMETERS

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

_____ 1. Height of the stack measured from ground level at base of stack to top of stack _____ feet.

_____ 2. Inside diameter at the top of the stack (to the nearest inch) _____ inches. For stacks of square or rectangular cross-section, specify inside length and width at the top of the stack to the nearest inch _____ inches (length) _____ inches (width).

_____ 3. Stack gas exit temperature _____ degrees Fahrenheit.

_____ 4. Stack gas exit flow rate in standard dry cubic feet per minute (standard conditions - 70°F and 29.92 inches mercury). If more than one furnace vents through the stack, the stack gas exit flow rate is the combined flow rate of all furnaces _____ standard dry cubic feet per minute.

COMMENTS:

_____

_____

_____

_____

_____

_____

_____

_____

INCINERATOR - DESCRIPTION

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION I.D. _____

UNIT I.D. _____

_____ 1. From the attached refuse classification list, indicate the number corresponding to the primary (and secondary, if any) type of refuse being incinerated:

Primary type _____ Secondary type _____

_____ 2. Provide average charge rate(s) of refuse to incinerator during normal operation:

Primary refuse charge rate _____ pounds/hour

Secondary refuse charge rate _____ pounds/hour

_____ 3. Provide the following auxiliary and control equipment fuel information:

a. Specify each type of fuel used: _____

_____

b. Provide the average hourly fuel feed rate for each type of fuel used in gallons for liquid fuel and cubic feet for gaseous fuel: _____

_____

c. Specify percent sulfur and ash content by weight of each type of fuel used: _____

_____

d. Provide the heating value of each type of fuel used in Btu/gallon for liquid fuel and Btu/cubic foot for gaseous fuel:

_____

_____

_____ 4. Specify manner in which refuse is fed to the combustion chamber - flue, chute, direct, or other (describe "other").

Primary refuse feed method _____

Secondary refuse feed method _____

_____ 5. Average number of hours per day and days per year refuse is burned:

Primary refuse _____ hours/day _____ days/year

Secondary refuse _____ hours/day _____ days/year

COMMENTS:

_____

_____

_____

_____

_____

_____

INCINERATOR - AIR POLLUTION CONTROL EQUIPMENT

LOCATION I.D. _____ FACILITY I.D. _____ EMISSION POINT I.D. _____

NOTE: If more than one control device is associated with this emission point, a separate control equipment questionnaire must be provided for each.

_____ 1. Indicate type of control device used from following list:

_____ after burner _____ electrostatic precipitator

_____ cyclone _____ venturi scrubber

_____ settling chamber _____ other (describe under comments)

_____ 2. Identify all furnaces (units) that vent to this control device:

_____

_____

_____ 3. Provide the actual operating removal efficiency of the control device and indicate how the efficiency was determined.

Percent particulate removal _____

How determined _____

_____

_____

COMMENTS:

_____

_____

_____

_____

_____

APPENDIX D

POINT SOURCE CONTROL EQUIPMENT DOWNTIME LOG FOR 1975

POINT SOURCES WITH MORE THAN 25 HOURS OF CONTROL EQUIPMENT DOWNTIME IN 1975[1]

	PLANT NAME	IDENTIFICATION NO.	UNIT
1.	Amherst Foundry	140200-0082-00001	Cupola Scrubber
2.	Ashland Oil*	146400-0114-00007	Thermal Oxidizer
3.	Bethlehem Steel	140900-0160-00505	Lime Conv. Baghouse
4.	Bethlehem Steel	140900-0160-05005	BOF Baghouse
5.	Bethlehem Steel	140900-0160-05006	BOF Baghouse
6.	Buffalo Forge	140200-0236-00028	#28 Cupola Scrubber
7.	Electro Refractories	144800-0493-00023	Baghouse
8.	Allied Chem. Semet Solvay	146400-1280-000H6	Scrubber
9.	Dresser Industries	145201-1372-00037	Baghouse
10.	Exolon	141600-1392-DA445	Baghouse
11.	Bethlehem Steel*	140900-0160-0229C	Scrubber
12.	Allied Chem. Spec. Div.	140200-1609-32123	Scrubber
13.	Tech Garage	140200-1665-00001	Scrubber
14.	Niagara Mohawk*	146400-1700-00001	Precipitators
15.	Niagara Mohawk*	146400-1700-00002	Precipitators
16.	Squaw Island	140200-8056-00002	Scrubber
17.	Squaw Island	140200-8056-0001B	Scrubber
18.	Airco Alloys	291100-0005-00004	Elec. Arc furnace
19.	Airco Speer Carbon	291100-0337-00014	700 Catalytic Unit
20.	Airco Speer Carbon*	291100-0037-00012	900 Catalytic Unit
21.	Hooker Chemical	291100-0118-00001	Precipitator

[1] Particulate matter or sulfur dioxide control equipment

* Analyzed by ES during comprehensive update

APPENDIX E

SUMMARY OF POINT SOURCES ANALYZED FOR THE COMPREHENSIVE UPDATE

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE

COUNTY: Erie LOCATION CODE: 140200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Agway, Inc.	0553	00001 A (00002 A)	Combustion (Incinera-tion)	---	B,F	Facility ceased operation in 1974.
2.Anaconda Amer. Brass Co.	1381	00011 A,B,C	Combustion	80	B,D	
3.Birge Co., Inc.	8296	00003 B	Combustion	00	B,F	
4.Birge Co., Inc.	0169	00002 A,B	Combustion	00,00	B,F	
5.Buff. Brd. Educ. Riverside H.S.	8256	00001 B,C,D	Combustion	00	B,F	
6.Buff. Brd. Educ. School #6	8234	00001 B,C,D	Combustion	00	B,E	
7.Buff. Mun. Housing-Talbert Mall	8076	00001 A,B,C, D,E	Combustion	00	C,G	
8.Buff. Board of Education	8246	00001 B,C,D, E	Combustion	00	B,F	
9.Buff. Board of Education	8250	00001 B,C,D	Combustion	00	B,E	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
10. Buffalo Dye Plant	1609	20703 A	Combustion	00	A,D	
11. Buffalo Dye Plant	1609	20707 B	Combustion	00	A,D	
12. Buffalo Dye Plant	1609	20731 C	Combustion	00	A,D	
13. Buffalo Evening News, Inc.	0230	00E77 B,C	Combustion	00	C,G	
14. Buffalo General Hospital	8068	00001 A,B	Combustion	00,00	B,E	Incin. point ident. changed -does not vent through boiler stack
15. Buffalo S. Park Conservatory	8232	00001 A,B,C	Combustion	00	B,E	
16. Buffalo State Hospital	8226	00001 A,B,C, D,E,F	Combustion	00	B,E	
17. Buffalo Wearing & Belting Co.	0222	00001 A	Combustion	00	B,F	
18. Buffalo Wearing & Belting Co.	0222	00002 B	Combustion	00	B,F	
19. Buffalo Wearing & Belting Co.	0222	00003 C	Combustion	00	B,F	This unit is no longer in service.

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
20.Children's Hospital	1671	00001 A,B,C	Combustion	00	B,D	
21.Commodore Perry Homes	8070	00001 B	Combustion	00	C,G	
22.Commodore Perry Homes	8070	00002 A,C	Combustion	00	C,G	
23.Dante Foods	0636	00001 A,B	Combustion	00,00	B,E	
24.Deaconess Hospital	8086	00001 A,B,C	Combustion	00	B,E	Residual oil burners no longer used.
25.Donner-Hanna Coke Corp.	0447	00028 A,B,C, D,E	Combustion	A-80,00 B-80,00 C-80,00 D-00,00 E-80,00	B,F	
26.Ellicott Sq.	8330	00001 A,B,C	Combustion	00	B,F	
27.Erie County	8384	00001 A,B,C	Combustion	00	B,D	
28.Fosdick-Masten High School	8038	00001 A,B,C	Combustion	90	B,E	

(1) Two IPP codes indicates two fuel types used.

(2)
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B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D)

COUNTY: Erie LOCATION CODE: 140200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
29.General Motors Corp.	0338	00030 A	Combustion	00	B,F	
30.General Motors Corp.	0338	00031 B	Combustion	00	B,F	
31.General Motors Corp.	0338	00032 C	Combustion	00	B,F	
32.General Mills, Inc.	0619	00045 A,B	Combustion	00,00	B,D	
33.Graphic Controls Corp.	0652	00001 A,B	Combustion	00	B,E	
34.H & D Division	0725	00001 A,B	Combustion	00	B,D	
35.Hewitt Robbins, Inc.	0722	00001 A,B,C	Combustion	00	A,D	Plant has not operated since 1976.
36.Houdaille Hydraulics Division	0732	00013 A,B,C, D	Combustion	00	A,D	
37.J.L.D.W. Enterprises, Inc.	1673	00001 A,B,C	Combustion	00	C,G	
38.Marine Dr. Apts., Inc.	8110	00001 A,B,C, D	Combustion	00	B,E	

(1) Two IPP codes indicates two fuel types used.

(2)
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B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
39.Mercy Hospital	8114	00001 A,B,C	Combustion	00	B,D	Incin.point ident.changed -does not vent through boiler stack.
40.Mobil Oil Corp.	0982	00003 A	Combustion	00,00	B,D	This is atmospheric furnace-coded incorrectly as stationary combustion
41.Mobil Oil Corp.	0982	00006 A,B,C	Combustion	00,00	B,D	
42.NFTM Cold Spring Shop	8277	00001 A,B,C	Combustion	00	B,E	
43.Nabisco, Inc.	1009	00001 A,B,C	Combustion	00	B,E	
44.Niagara Mach. & Tool Works	1038	00001 A	Combustion	00	C,G	
45.Niagara Mach. & Tool Works	1038	00002 B	Combustion	00	C,G	
46.Pratt & Lambert, Inc.	1143	00001 A,B,D	Combustion	00	B,E	
47.Roswell Pk. Mem. Inst.	8129	00001 A	Combustion	00	C,G	
48.Buffalo Bd. Ed. School 23	8017	00001 A, B	Combustion	80	B,E	
49.Buffalo Bd. Ed. School 28	8041	00001 A, B	Combustion	80	B,E	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
50. Buffalo Bd. Ed. School 29	8030	00001 A,B	Combustion	80	B,E	
51. Buffalo Bd. Ed. School 48	8020	00001 A,B	Combustion	80	B,E	
52. Buffalo Bd. Ed. School 52	8035	00001 A,B	Combustion	80	B,E	
53. Buffalo Bd. Ed. School 65	8023	00001 A,B	Combustion	90	B,E	
54. Buffalo Bd. Ed. School 70	8024	00001 A,B	Combustion	80	B,E	
55. Buffalo Bd. Ed. School 61	8021	00001 A,B	Combustion	80	B,E	
56. Sealtest Foods Division	1273	00001 A	Combustion	---	B,F	Facility ceased operation in 1974.
57. Sisters of Charity Hospital	8140	00001 A,B,C	Combustion	00	B,E	Incin. point ident. changed -does not vent through boiler stack.
58. St. Mary's School for Deaf	8334	00001 A,B,C	Combustion	00	B,D	
59. Statler Hilton	8216	00001 A,B,C	Combustion	00	C,G	
60. SUNY at Buffalo	8008	00001 B,C,D	Combustion	80	B,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
61.Trico Products Corp.	1451	00042 A,B	Combustion	00	A,D	
62.Trico Products Corp.	1618	00010 A,B	Combustion	00	A,D	
63.Watts Properties	0551	00019 B	Combustion	00	A,D	
64.Watts Properties	0551	00020 C	Combustion	00	A,D	
65.YWCA Residence	8361	00001 A	Combustion	00	B,F	
66.Donner-Hanna Coke Corp.	0447	0ABCH	3-03-003-02	04	A,G	AIR 100I generated.
67.Donner-Hanna Coke Corp.	0447	0ABPU	3-03-003-03	04	A,G	AIR 100I generated.
68.Donner-Hanna Coke Corp.	0447	003PU	3-03-003-03	04	A,G	AIR 100I generated.
69.Donner-Hanna Coke Corp.	0447	004PU	3-03-003-03	04	A,G	AIR 100I generated.
70.Donner-Hanna Coke Corp.	0447	003QU	3-03-003-04	04	A,G	AIR 100I generated.
71.Donner-Hanna Coke Corp.	0447	0ABQU	3-03-003-04	04	A,G	AIR 100I generated.

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
72.H & D Division	0725	0000A	3-07-004-99	None	A,D	
73.Ind. Chemical Division	0748	00005	3-01-023-06	None	B,D	
74.Ind. Chemical Division	0748	00006	3-01-023-06	None	B,E	
75.Ind. Chemical Division	0748	00007	3-01-023-06	None	B,D	
76.Mobil Oil Corp.	0982	00011	3-06-003-01	None	A,D	
77.Republic Steel Corp.	1201	00023	3-03-009-03	02	A,D	
78.Shenango, Inc.	1293	0003A	3-03-008-08	None	C,G	
79.Shenango, Inc.	1293	3A000	3-03-008-08	None	C,D	
80.Worthington-Cei, Inc.	0375	02425	3-04-003-01	01	A,D	
81.Crosby Co.	0397	00002 A,B	Combustion	90	A,F	

(1) Two IPP codes indicates two fuel types used.

(2)
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B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
82.Republic Steel Corp.	1201	00025	Combustion	---	B,E	This is flare-incorrectly coded as stat.combustion-emits less than 25 tpy.
83.Republic Steel Corp.	1201	00027	Combustion	00	B,F	Boiler taken out of service in 1976.
84.Emergency Hospital	8092	00001 A	Combustion	60	C,G	Incin.unit A also appears to vent thru this stack.
85.Erie Co. Compr. Health Center	8353	00001 A	Combustion	00,00	C,G	Modified boilers not yet in service-no data available on 1975 operation.
86.Erie Co. Compr. Health Center	8353	00002 B	Combustion	00,00	C,G	"
87.Erie Co. Compr. Health Center	8353	00003 C	Combustion	00,00	C,G	"
88.Donner-Hanna Coke Corp.	0447	003WH	Combustion	00	B,E	Waste heat stacks for coke batteries incor-
89.Donner-Hanna Coke Corp.	0447	004WH	Combustion	00	B,E	rectly coded as station-ary combustion.
90.Donner-Hanna Coke Corp.	0447	0ABWH	Combustion	00	B,E	" "
91.Republic Steel Corp.	1201	00029	3-03-008-99	01	A,F	
92.Republic Steel Corp.	1201	00030	3-03-008-99	01	A,F	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140900

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Bethlehem Steel Corp.	0160	51101 A	Combustion	00,00	B,E	These are hot strip mill slab furnaces that are incorrectly coded as stationary combustion.
2.Bethlehem Steel Corp.	0160	51102 A	Combustion	00,00	B,E	
3.Bethlehem Steel Corp.	0160	51103 A	Combustion	00,00	B,E	" "
4.Bethlehem Steel Corp.	0160	51104 A	Combustion	00,00	B,E	" "
5.Bethlehem Steel Corp.	0160	51105 A	Combustion	00,00	B,E	" "
6.Bethlehem Steel Corp.	0160	63102 A	Combustion	00,00	B,E	These are bar mill reheat furnaces that are incorrectly coded as stationary combustion.
7.Bethlehem Steel Corp.	0160	63103 A	Combustion	00,00	B,E	
8.Bethlehem Steel Corp.	0160	0138Q	3-03-003-04	04	A,D	
9.Bethlehem Steel Corp.	0160	0172Q	3-03-003-04	04	A,D	
10.Bethlehem Steel Corp.	0160	0214Q	3-03-003-04	04	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140900

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
11. Bethlehem Steel Corp.	0160	0229B	3-03-008-03	03	A,G	
12. Bethlehem Steel Corp.	0160	0229C	3-03-008-03	03	A,G	
13. Bethlehem Steel Corp.	0160	34101	3-03-009-01	06	A,F	
14. Bethlehem Steel Corp.	0160	13800	3-03-003-02	04	A,F	AIR 100I generated.
15. Bethlehem Steel Corp.	0160	14000	3-03-003-02	04	A,F	AIR 100I generated.
16. Bethlehem Steel Corp.	0160	14100	3-03-003-02	04	A,F	AIR 100I generated.
17. Bethlehem Steel Corp.	0160	21100	3-03-003-02	04	A,F	AIR 100I generated.
18. Bethlehem Steel Corp.	0160	21400	3-03-003-02	04	A,F	AIR 100I generated.
19. Bethlehem Steel Corp.	0160	21500	3-03-003-02	04	B,F	AIR 100I generated.
20. Bethlehem Steel Corp.	0160	14403	3-03-003-04	04	B,E	AIR 100I generated.

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140900

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
21. Bethlehem Steel Corp.	0160	229A1	3-03-008-03	03	A, G	
22. Bethlehem Steel Corp.	0160	229A2	3-03-008-03	03	A, G	
23. Bethlehem Steel Corp.	0160	34102	3-03-009-01	06	A, F	
24. Bethlehem Steel Corp.	0160	13801	3-03-003-03	04	A, F	AIR 100I generated.
25. Bethlehem Steel Corp.	0160	14001	3-03-003-03	04	A, F	AIR 100I generated.
26. Bethlehem Steel Corp.	0160	14101	3-03-003-03	04	A, F	AIR 100I generated.
27. Bethlehem Steel Corp.	0160	21101	3-03-003-03	04	A, F	AIR 100I generated.
28. Bethlehem Steel Corp.	0160	21401	3-03-003-03	04	A, F	AIR 100I generated.
29. Bethlehem Steel Corp.	0160	21501	3-03-003-03	04	A, F	AIR 100I generated.
30. Clarence A. Hackett, Inc.	1638	00001	3-05-999-99	02	B, E	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140900

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
31. Lackawanna Municipal, Inc.	8364	00001	Incineration	01	B,D	
32. Bethlehem Steel Corp.	0160	000L4	3-05-016-04	None	A,D	
33. Bethlehem Steel Corp.	0160	000L5	3-05-016-04	None	A,D	
34. Bethlehem Steel Corp.	0160	000L6	3-05-016-04	None	A,D	
35. Bethlehem Steel Corp.	0160	DESUL	Emission point deleted because it was never constructed. The desulfurization processes in use have other emission point numbers.			
36. Bethlehem Steel Corp.	0160	05001	3-03-009-03	02	A,D	
37. Bethlehem Steel Corp.	0160	13802 A	Combustion	00	B,D	These are waste heat stacks for coke batteries that are incorrectly coded as stationary combustion.
38. Bethlehem Steel Corp.	0160	14002 A	Combustion	00	B,D	
39. Bethlehem Steel Corp.	0160	14102 A	Combustion	00	B,D	
40. Bethlehem Steel Corp.	0160	21002 A	Combustion	00	B,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 140900

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
41. Bethlehem Steel Corp.	0160	21402 A	Combustion	00	B ,D	These are waste heat stacks for coke batter-
42. Bethlehem Steel Corp.	0160	21502 A	Combustion	00	B ,D	ies that are incorrect- ly coded as stationary combustion.
43. Bethlehem Steel Corp.	0160	22901	3-03-008-03	03	B,D	
44. Bethlehem Steel Corp.	0160	23100	3-03-008-01	01	B ,D	
45. Bethlehem Steel Corp.	0160	23600	3-03-008-01	01	B ,D	
46. Bethlehem Steel Corp.	0160	24100	3-03-008-01	01	B ,D	
47. Bethlehem Steel Corp.	0160	24600	3-03-008-01	01	B ,D	
48. Bethlehem Steel Corp.	0160	25100	3-03-008-01	01	B ,D	
49. Bethlehem Steel Corp.	0160	25600	3-03-008-01	01	B ,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 141600

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Bituminous Prod. Plt. T.	1627	0000B	3-05-002-99	None	A,E	
2.Bituminous Prod. Plt. T.	1627	0000C	3-05-002-99	None	B,E	
3.Exolon Co.	1392	DA-K8	3-04-001-99	None	B,F	This unit was not in operation until 1976.

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 142089

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Erie Co. Correct. Fac.	8383	00001 A,B	Combustion	00	B,D	
2.Erie Co. Home & Infirm.	8264	00001 A	Combustion	00,00	B,D	
3.Erie Co. Home & Infirm.	8264	00002 B	Combustion	00,00	B,D	
4.Erie Co. Home & Infirm.	8264	00003 C	Combustion	00,00	B,D	
5.Erie Co. Home & Infirm.	8264	00004 D	Combustion	00,00	B,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 142200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Erie Comm. College N.	8263	00001 A,B,C	Combustion	00	B,E	
2.Erie Com. College N.	8263	00002 A,B,C	Combustion	00	B,E	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 143000

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.American Airlines	8222	00001 N,S	Combustion	00	B,E	
2.American Optical Corp.	0075	00001 A,B,C 00001 D	Combustion Incineration	00 03	B,E	
3.Calspan Corp.	1716	00001 A,B,C	Combustion	00	A,E	
4.F. N. Burt	0535	00050 A	Combustion	00	B,E	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 143001

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Darling & Co.	0421	00001 A	Combustion	00,00	B,E	
2.Darling & Co.	0421	00003 B	Combustion	00,00	B,E	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 143089

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Bituminous Prod. Plt. C	0264	0000G	3-05-002-02	None	B,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 143200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.National Gypsum Co.	1017	00065 A	Combustion	40,00	B,F	
2.Buffalo Plant (Houdaille Constr. Material Inc.)	1743	0B-2-	3-05-002-01 3-90-005-01 3-90-006-01	03	C,G	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 143601

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.NYS Dept. of Mental Hygiene	8266	00001 A,B,C, D	Combustion	80	B,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 144800

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Frontier Central Sch.	8292	00002 A,B,C, D	Combustion	00	B,F	
2.Electro Div.	0493	00007	3-07-020-99	None	B,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 144801

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Ford Motor Co.	0573	00015 C	Combustion	00	B,F	
2.Ford Motor Co.	0573	00016 B	Combustion	00	B,F	
3.Ford Motor Co.	0573	00017 A	Combustion	00	B,F	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 145201

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Arcata Graphics Buffalo	0788	00063 A	Combustion	00	A,D	
2.Arcata Graphics Buffalo	0788	00064 A	Combustion	00	A,D	
3.Dresser Industries, Inc.	1372	00001 A,B	Combustion	00	B,F	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 145601

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Akron Cent. Sch. Dist.	8370	00001 A,B,D E	Combustion	00	B,E	
2.Georgia Pacific Corp.	0159	00010 A	Combustion	---	B,F	This facility ceased operation in 1974 and has been dismantled.

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires..
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 146400

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Ashland Petroleum Co.	0114	00001 A,B	Combustion	00,00	B,D	
2.Ashland Petroleum Co.	0114	00003 A	Combustion	00,00	A,D	
3.Ashland Petroleum Co.	0114	00004 A	Combustion	00,00	A,D	
4.Ashland Petroleum Co.	0114	00008 A	Combustion	00,00	A,D	
5.Ashland Petroleum Co.	0114	00014 A,B	Combustion	00,00	A,D	
6.Ashland Petroleum Co.	0114	00015 A	Combustion	00,00	A,D	
7.Ashland Petroleum Co.	0114	00016 A	Combustion	00,00	A,D	
8.Ashland Petroleum Co.	0114	00017 A	Combustion	00,00	A,D	
9.Ashland Petroleum Co.	0114	00019 A	Combustion	00,00	A,D	
10.Ashland Petroleum Co.	0114	00020 A	Combustion	00,00	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 146400

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
11. Ashland Petroleum Co.	0114	634B1 A	Combustion	00	B,D	
12. Ashland Petroleum Co.	0114	634B2 A	Combustion	00	A,D	
13. Ashland Petroleum Co.	0114	634B3 A	Combustion	00	B,D	
14. Ashland Petroleum Co.	0114	636B1 A	Combustion	00	A,D	
15. Ashland Petroleum Co.	0114	636B2 A	Combustion	00	A,D	
16. Ashland Petroleum Co.	0114	636SG A,B	Combustion	00	A,D	
17. C.R. Huntley Steam Sta.	1700	00001 A,B,C D	Combustion	10	B,F	
18. C.R. Huntley Steam Sta.	1700	00002 E,F	Combustion	10	B,F	
19. DMB Real Estate, Inc.	8381	00001 A,B	Combustion	00	B,E	
20. Dunlop Tire & Rubber Corp.	0456	00001 A, B	Combustion	00,00	B,E	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 146400

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
21.Dunlop Tire & Rubber Corp.	0456	00002 A,B	Combustion	00	A,D	
22.Dunlop Tire & Rubber Corp.	0456	00003 A,B	Combustion	00,00	B,E	
23.E. I. Dupont De Nemours Co.	0563	00006 F,G	Combustion	00	B,F	
24.FMC Corp. Indust. Chem. Div.	0754	00001 A,B,C	Combustion	00	B,D	
25.J. H. Williams	0783	00061 A,B,C	Combustion	00	B,F	
26.Kenmore-Town of Tonawanda UF	8309	00001 A,B	Combustion	00	B,E	
27.Ken-Ton PS-UN-Free Sch. Dist.	8223	00001 A,B	Combustion	00	B,E	
28.O-Cel-O	1062	0000E R,S,T V	Combustion	00	A,F	
29.Ashland Petroleum Co.	0114	00022	3-06-002-01 3-90-004-99 3-90-006-99	01	B,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 146400

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
30. Semet Solvay Div. (All. Chem.)	1280	00005	3-03-003-02	04	A,E	AIR 100I generated.
31. Semet Solvay Div. (All. Chem.)	1280	002PU	3-03-003-03	04	A,E	AIR 100I generated.
32. Ashland Petroleum Co.	0114	00007	3-06-999-99	03	B,F	
33. Ashland Petroleum Co.	0114	00012 A	Combustion	00	B,D	
34. Ashland Petroleum Co.	0114	00013 A	Combustion	00	B,D	
35. Ashland Petroleum Co.	0114	00021 A	Combustion	00	B,D	
36. Ashland Petroleum Co.	0114	00023	3-06-999-99	08	A,F	
37. Allied Chem. Corp.	1280	00006	3-01-999-99	04	A,E	AIR 100I generated.
38. FMC Corp-Ind. Chem. Div.	0754	00037 A	Incineration	05	B,D	Incinerator incorrectly coded as venting through boiler stack (00001).

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 146401

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Kenmore-Town of Tonawanda UF	8314	00001 A,B	Combustion	00	B,F	
2.Kenmore-Town of Tonawanda UF	8315	00001 A,B	Combustion	00	B,F	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Erie LOCATION CODE: 146489

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Chevrolet-Tonawanda	0337	0PH33 A	Combustion	60	B,F	
2.Chevrolet-Tonawanda	0337	0PH34 B	Combustion	60	B,F	
3.Chevrolet-Tonawanda	0337	0PH35 C	Combustion	60	B,F	
4.Chevrolet-Tonawanda	0337	0PH36 D	Combustion	60	B,F	
5.Chev. Tonawanda Plant	1656	00C1A	3-04-003-01	None	B,D	
6.Chev. Tonawanda Plant	1656	00C2B	3-04-003-01	None	B,D	
7.Chev. Tonawanda Plant	1656	00C3C	3-04-003-01	None	B,D	
8.Chev. Tonawanda Plant	1656	00C4D	3-04-003-01	None	B,D	
9.Tonawanda-Town Of	8376	00001 A	Incineration	01	A,F	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 290900

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Upson Co.	0283	00002 A,B	Combustion	00,00	A,D	
2.Diamond Wheel Bad. Carborundum	0024	00542 A,B	Combustion	60	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 291100

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Hooker Chem. Corp.	0118	A0101 A	Combustion	00	A,D	
2.Hooker Chem. Corp.	0118	A0102 A,B,C	Combustion	00	A,D	
3.Hooker Chem. & Plastics	0108	V2901 A,B	Combustion	10	A,D	
4.Nabisco, Inc.	0178	00001 A,B	Combustion	00	A,E	
5.Niagara Falls Mem. Med.Ctr.	8021	00001 A,B,C	Combustion	00,00	B,E	
6.Olin Corp.	0203	00021 A,B	Combustion	00	A,D	
7.Prestolite Div. Eltra Corp.	0217	00001 A	Combustion	80	A,F	
8.Prestolite Div. Eltra Corp.	0217	00002 B	Combustion	80	A,F	
9.Airco Speer Carbon Graphite	0337	00012	3-01-005-99	None	A,F	
10.Carbon Prod. Div.	0361	SS-08	3-01-005-03	None	A,F	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 291100

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
11.Carbon Prod. Div.	0361	SS-2A	3-01-005-03	None	B,F	
12.Carbon Prod. Div.	0361	SS-4A	3-01-005-03	None	B,F	
13.Frontier Bronze Corp.	0100	000E1	3-04-002-04	None	A,D	
14.Goodyear Niagara Fls. Chem.	0331	54-42	3-01-018-01	None	A,D	
15.Goodyear Niagara Fls. Chem.	0331	85182	3-01-026-99	None	A,D	
16.Great Lakes Carbon Corp.	0343	00016	3-01-005-02	None	B,E	
17.Linde Div.	0359	01201	3-03-999-99	None	A,E	
18.Niagara Stone Div.	0196	00002	3-05-002-01	03	A,D	
19.Pyron Co.	0220	00002	3-03-008-04	None	A,E	
20.Airco Alloys Crush & Siz. Pl.	0005	00003	3-04-003-03	02	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 291100

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
21.Hooker Chem. Corp.	0118	W0120	3-01-999-99	None	B,D	
22.Nitec Paper Corp.	0136	00001 A	Combustion	20	B,F	These units were in construction in 1975 and have not yet begun to operate.
23.Nitec Paper Corp.	0136	00002 B	Combustion	20	B,F	"
24.Nitec Paper Corp.	0136	00003 C	Combustion	70	B,F	"
25.Amax Co.	0220	0003B	3-03-008-99	00	A,E	
26.Airco Speer Carbon Graphite	0337	00010	3-05-999-99	99	A,D	
27.Airco Speer Carbon Graphite	0337	00011	3-05-999-99	99	A,D	
28.Carbon Prod. Div. National Loc	0361	SS-13	3-05-999-99	None	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 291200

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Durez. Div.	0117	00107 A	Combustion	00	B,F	
2.Wurlitzer Co.	0284	00001 A,B	Combustion	00	B,F	
3.Box & Mill Div.	0281	S1L01	3-07-008-99	None	A,E	
4.Durez. Div.	0117	B3008	Incinerator	None	A,D	Boiler used as incinerator incorrectly coded as industrial process.
5.DeGraff Mem. Hospital	8039	00002 A,B,C	Combustion	00	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 292400

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Mt.St. Marys Hosp. Niagara Fls.	8012	00001 A,B,C	Combustion	00	B,E	
2.Stauffer Chem. Co.	0260	00054 E	Combustion	00	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 292600

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Harrison Radiator Div.	0330	0X813	3-04-001-02	None	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 292800

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1. Noury Chem. Corp.	0043	00ES5	4-90-999-99	None	A,E	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 293400

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.Lakeside Farms	0325	0000A 01 02	3-02-001-01 3-02-001-99	None	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 293601

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1.FMC Agri. Chem. Div.	0182	00238	3-01-033-99	None	A,D	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because questionnaire not returned.

TABLE E-1. SUMMARY OF POINT SOURCES ANALYZED BY ENGINEERING-SCIENCE FOR THE COMPREHENSIVE UPDATE (CONT'D.)

COUNTY: Niagara LOCATION CODE: 294000

FACILITY NAME	FACILITY NUMBER	EMISSION POINT	SCC CODE	IPP CODE(1)	FINAL STATUS(2)	COMMENTS
1. Bell Aerospace Co.	0021	00140 B	Combustion	00	A,E	
2. Carborundum Coated Ab. Div.	0048	00601 A	Combustion	00	B,E	
3. Carborundum Coated Ab. Div.	0048	00602 B	Combustion	00	B,E	

(1) Two IPP codes indicates two fuel types used.

(2)
A. Normal year completely analyzed and updated utilizing DEC in-house data.
B. Normal year completely analyzed and updated utilizing returned questionnaires.
C. Normal year completely analyzed but only partially updated or not updated because questionnaire not returned.
D. DEC in-house data indicated normal year representative of calendar year 1975.
E. Returned questionnaire indicated normal year representative of calendar year 1975.
F. Calendar year 1975 updates made from returned questionnaire.
G. Calendar year 1975 not updated because question-

APPENDIX F

FUEL SURVEY FORM AND COVER LETTERS

FUEL SURVEY FORM

THIS DATA SHEET IS FOR _____ *COUNTY, STATE OF _____ CALENDAR YEAR _____

COMPANY NAME: _____

ADDRESS: _____

_____

_____

NAME OF PERSON COMPLETING THIS FORM: _____

TELEPHONE NO. & EXT: _____

DATE: _____

(SEE REVERSE SIDE FOR INSTRUCTIONS AND DEFINITIONS.)

TYPE OF FUEL SOLD	UNITS	TYPE OF CUSTOMER				
		RESIDENTIAL	COMMERCIAL	GOVERNMENTAL	INDUSTRIAL	FUELS FOR MOTOR VEHICLES
ANTHRACITE COAL	tons					
BITUMINOUS COAL	tons					
RESIDUAL OIL #4 - 5	gals					
RESIDUAL OIL #6	gals					
DISTILLATE OIL #1	gals					
DISTILLATE OIL #2	gals					
LIQUEFIED PETROLEUM GAS (LPG)	gals					
OTHER						

TYPE OF FUEL SOLD	TYPE OF CUSTOMER							
	RESIDENTIAL		COMMERCIAL		GOVERNMENTAL		INDUSTRIAL	
ENTER THE % ASH & SULFUR CONTENT FOR:	% ASH	% SULFUR	% ASH	% SULFUR	% ASH	% SULFUR	% ASH	% SULFUR
ANTHRACITE COAL								
BITUMINOUS COAL								
RESIDUAL OIL		#4-5/#6		#4-5/#6		#4-5/#6		#4-5/#6
DISTILLATE OIL		#1 #2		#1 #2		#1 #2		#1 #2

IMPORTANT: PLEASE INCLUDE ONLY FUEL SOLD TO THE FINAL USER - NOT FUEL SOLD TO OTHER FUEL DEALERS WHICH WOULD BE REPORTED AGAIN BY THAT DEALER

*All sales to any of the 5 Boroughs of NYC (Queens, Brooklyn, Manhattan, Richmond and Bronx) should be reported as sales in NYC "County."

COMMENTS:

revised 9/24/76

COUNTY FUEL USE SURVEY

Any information you provide for this survey will not be used contrary to state law or Section 114 (c) of the Clean Air Amendments of 1970.

The data you provide will be evaluated and translated into emissions of atmospheric pollutants and added to the total emissions from all sources. Please provide information for each county in which you sell fuel.

This form should be returned within ten working days, if possible, to E. M. Monsell, New York State Department of Environmental Conservation, 50 Wolf Road, Albany, New York 12233, using the stamped, addressed envelope provided with this form.

Your cooperation and expeditious completion of the survey forms will be appreciated. If you require additional assistance, you may contact Bruce Neddo, Jack Monsell or Wallace Sonntag of the New York State Department of Environmental Conservation in Albany at (518) 457-2813.

INSTRUCTIONS

Please fill in the appropriate blanks on the reverse side with the total amount of fuel of each type sold within the indicated county to each type of customer during the calendar year 1975. If you do not have the total fuel sold broken down into the categories listed, please use your best judgment and estimate (your estimate will be more accurate than ours). If you do not have the percent ash and percent sulfur data, please call your supplier for this information.

IMPORTANT: Please include only the fuel sold to the final user - not fuel sold to other fuel dealers which would be reported to us again by that dealer.

DEFINITIONS

Residential:	All residential dwellings include single-family residence, apartment complexes, condominiums, townhouses, mobile homes, etc.
Commercial:	Retail and wholesale establishments, including hospitals, business services, and commercial places.
Governmental:	City, County, State, and Federal facilities, including schools; post offices; state buildings and institutions; and other government jurisdictions, including villages and towns.
Industrial:	All manufacturing industries regardless of size, including mining operations. Exclude utilities. Do not report fuel sold to utilities.
Distillate Oil:	Distillate oil #1 includes kerosene and diesel fuel #1. Distillate oil #2 includes diesel fuel #2 and home heating oil.
Residual Oil:	Residual oil includes fuel oil grades 4, 5, and 6.
Liquified Petroleum Gas:	LPG consists of higher carbon - number hydrocarbons, such as propane and butane.

OIL, COAL, & LPG DEALERS

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Peter A. A. Berle
Commissioner

October 19, 1976

Gentlemen:

The New York State Department of Environmental Conservation is engaged in an information gathering process to develop an accurate and complete emission inventory for New York. The information obtained will be used to generate a data base from which a thorough air pollution study can be performed to determine present and future air quality levels of particulate matter and sulfur oxides.

We ask that you provide the amounts of fuel you sold to "end users" on the enclosed fuel survey form and return the form to E. M. Monsell, Department of Environmental Conservation, in the enclosed, stamped, self-addressed envelope. The "end user" is the facility that burns the fuel. If the form does not apply to you, indicate the reason under the "comments" section before you mail the form. To avoid confusion, please pay careful attention to the instructions and definitions given on the form.

This information is needed before other portions of the analysis can proceed; therefore, we ask that you provide all possible assistance in generating the information in a timely manner. If further verification on the purpose or intent of the study is needed, please call me at (518) 457-6575. Specific questions regarding completion of the fuel survey form should be addressed to E. M. Monsell, Department of Environmental Conservation, Division of Air Resources, 50 Wolf Road, Albany, N.Y. 12233, telephone (518) 457-2813. Your assistance in this matter will be greatly appreciated.

Very truly yours,

Wallace E. Sonntag

Wallace E. Sonntag, P.E.
Chief, Stationary Source Planning
Division of Air Resources

Enclosures

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Ogden Reid,
Commissioner

Gentlemen:

On October 19, this office mailed to you a fuel survey package consisting of a letter of explanation and request, a blank survey form, and a postage-paid, return-addressed, envelope. As of today, we have received neither a completed survey form nor any communication from you. In this letter, I would like to point out the importance of the requested information and the necessity for your cooperation.

The information we are seeking is an essential part of a planning effort to attain and maintain air quality standards throughout New York State. Since those standards relate to public health and well-being, your cooperation is in the best interest of all the citizens of this State, including you.

Those who are concerned that the State might disclose individual fuel sales may be sure that only county totals of the sales of all fuel dealers will be used in the calculations. Further, only the pollutant emissions resulting from those county totals, not fuel quantity, will be presented. To expedite the processing of this data, you should send the fuel survey forms before January 15, 1977, to the contractor assisting us at Engineering Science, Inc., Air Quality Planning Section, 7903 West Park Drive, McLean, Virginia 22101.

The State's authority for obtaining the information requested in the survey is 6 NYCRR 225, which states in 225.7(c) that "no person shall fail to furnish copies of such records to the Commissioner or his representative upon request." Violation of Part 225 may be punishable by the maximum penalty provided by the statute.

The fuel survey is being conducted jointly with the Federal government. Their authority for requesting such information is Section 114 of the Clean Air Act Amendments of 1970. The penalties for violation of Section 114 are given in Section 113 of the Clean Air Act.

Another copy of the fuel survey form is enclosed for your response. I am hopeful that the citizens of New York State will have your cooperation.

Very truly yours,

Wallace E. Sonntag

Wallace E. Sonntag, P.E., Chief
Stationary Source Planning Section
Bureau of Abatement Planning
Division of Air Resources

Enclosure

APPENDIX G

SUBCOUNTY ALLOCATION OF RESIDENTIAL FUEL

FUEL USE BY STUDY AREA

THEORETICAL RESIDENTIAL FUEL CONSUMPTION IN NIAGARA COUNTY

TOTAL COUNTY ANTHRACITE COAL USE	276.49	10 TONS/YEAR
TOTAL COUNTY BITUMINOUS COAL USE	0.0	10 TONS/YEAR
TOTAL COUNTY RESIDUAL OIL USE	0.0	10K GAL/YEAR
TOTAL COUNTY DISTILLATE OIL USE	3855.14	10K GAL/YEAR
TOTAL COUNTY "NATURAL GAS" USE	716.62	10 MMCF/YEAR
TOTAL COUNTY WOOD USE	7.99	100 TONS/YEAR

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
4720001	2288.	26.062	0.0	205.369	0.0	4.617	334.855
4720002	1076.	8.568	0.0	76.168	0.0	6.882	97.216
4720003	446.	3.099	0.0	28.593	0.0	3.608	0.0
4720004	740.	16.682	0.0	67.954	0.0	0.485	151.225
4720005	117.	2.758	0.0	11.208	0.0	0.080	151.225
4720006	2862.	0.0	0.0	235.799	0.0	14.509	0.0
4720007	1826.	10.052	0.0	145.785	0.0	9.384	21.604
4720008	1536.	21.920	0.0	120.387	0.0	7.312	43.207
4720009	1228.	7.555	0.0	82.251	0.0	9.139	0.0
4720010	1106.	17.123	0.0	84.736	0.0	5.500	0.0
4720011	1101.	33.105	0.0	86.332	0.0	4.877	0.0
4720012	309.	3.165	0.0	22.169	0.0	2.097	0.0
4720013	309.	3.165	0.0	22.169	0.0	2.097	0.0
4720014	526.	1.729	0.0	37.395	0.0	3.797	0.0
4720015	563.	0.395	0.0	27.533	0.0	5.757	0.0
4720016	1504.	0.0	0.0	67.153	0.0	16.488	0.0
4720017	191.	0.0	0.0	8.562	0.0	2.104	0.0
4720018	169.	0.0	0.0	7.486	0.0	1.835	0.0
4720019	169.	0.0	0.0	7.486	0.0	1.835	0.0
4720020	1217.	0.0	0.0	47.798	0.0	11.464	0.0
4720021	875.	0.0	0.0	38.820	0.0	9.524	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
4720022	370.	0.0	0.0	15.966	0.0	3.897	0.0
4720023	45.	0.0	0.0	2.099	0.0	0.519	0.0
4720024	90.	0.066	0.0	4.769	0.0	0.944	0.0
4720025	2038.	0.0	0.0	91.259	0.0	22.418	0.0
4720026	206.	0.0	0.0	9.109	0.0	2.233	0.0
4720027	146.	0.0	0.0	6.535	0.0	1.605	0.0
4720028	2876.	18.544	0.0	188.524	0.0	20.599	0.0
4720029	944.	5.221	0.0	67.660	0.0	5.675	0.0
4720030	988.	6.119	0.0	54.496	0.0	9.698	0.0
4720031	567.	7.312	0.0	50.503	0.0	2.034	0.0
4720032	1486.	5.879	0.0	55.206	0.0	18.835	0.0
4720033	556.	2.206	0.0	38.994	0.0	3.826	0.0
4720034	839.	0.604	0.0	46.598	0.0	7.946	0.0
4720035	63.	0.0	0.0	3.989	0.0	0.543	0.0
4720036	257.	0.0	0.0	15.582	0.0	2.108	0.0
4720037	257.	0.0	0.0	15.582	0.0	2.108	0.0
4720038	320.	0.0	0.0	19.571	0.0	2.651	0.0
4720039	479.	0.505	0.0	24.457	0.0	4.662	0.0
4720040	479.	1.008	0.0	23.559	0.0	4.758	0.0
4720041	479.	0.843	0.0	23.379	0.0	4.825	0.0
4720042	824.	0.828	0.0	38.781	0.0	7.817	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
4720043	63.	0.0	0.0	3.989	0.0	0.543	0.0
4720044	824.	1.103	0.0	36.196	0.0	8.222	0.0
4720045	555.	1.348	0.0	19.275	0.0	6.792	0.0
4720046	746.	1.575	0.0	29.022	0.0	8.812	0.0
4720047	746.	1.867	0.0	25.589	0.0	9.422	0.0
4720048	341.	1.096	0.0	9.704	0.0	4.748	0.0
4720049	329.	0.469	0.0	15.330	0.0	3.518	0.0
4720050	746.	1.051	0.0	34.370	0.0	7.872	0.0
4720051	746.	1.051	0.0	34.370	0.0	7.872	0.0
4720052	2692.	3.849	0.0	125.784	0.0	28.878	0.0
4720053	231.	1.262	0.0	12.081	0.0	2.414	0.0
4720054	231.	1.262	0.0	12.081	0.0	2.414	0.0
4720055	231.	1.262	0.0	12.081	0.0	2.414	0.0
4720056	231.	1.262	0.0	12.081	0.0	2.414	0.0
4720057	276.	0.908	0.0	10.762	0.0	3.569	0.0
4720058	1117.	2.851	0.0	39.764	0.0	15.065	0.0
4720059	637.	1.390	0.0	21.109	0.0	8.834	0.0
4720060	231.	1.262	0.0	12.081	0.0	2.414	0.0
4720061	1078.	1.517	0.0	49.431	0.0	11.366	0.0
4720064	780.	1.403	0.0	23.307	0.0	11.103	0.0
4720065	1593.	2.892	0.0	48.025	0.0	22.911	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
4720066	1281.	2.350	0.0	39.009	0.0	18.640	0.0
4720067	1060.	1.847	0.0	30.746	0.0	14.574	0.0
4720068	3333.	5.741	0.0	95.603	0.0	45.229	0.0
4720075	748.	0.716	0.0	20.331	0.0	9.335	0.0
4720076	424.	0.274	0.0	11.114	0.0	6.032	0.0
4720077	323.	1.180	0.0	11.644	0.0	4.098	0.0
4720078	258.	0.520	0.0	12.173	0.0	2.864	0.0
4720080	796.	0.440	0.0	24.584	0.0	10.690	0.0
4720165	1891.	2.596	0.0	85.019	0.0	19.392	0.0
4720166	1072.	1.361	0.0	44.797	0.0	10.083	0.0
4720167	1510.	1.858	0.0	61.247	0.0	13.707	0.0
4720168	2109.	2.823	0.0	92.615	0.0	21.037	0.0
4720169	2669.	3.595	0.0	117.892	0.0	26.807	0.0
4720170	709.	0.995	0.0	32.546	0.0	7.450	0.0
4720171	137.	0.193	0.0	6.306	0.0	1.444	0.0
4720172	1138.	1.642	0.0	53.643	0.0	12.334	0.0
4720173	839.	1.199	0.0	39.178	0.0	8.994	0.0
4720192	611.	0.622	0.0	20.776	0.0	4.474	0.0
4720193	614.	0.745	0.0	24.579	0.0	5.486	0.0
4720195	1220.	1.720	0.0	56.249	0.0	12.885	0.0
4720306	515.	0.665	0.0	21.843	0.0	4.912	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
4720307	308.	0.426	0.0	13.947	0.0	3.185	0.0
4720308	179.	0.260	0.0	8.479	0.0	1.951	0.0
4720309	336.	0.481	0.0	15.723	0.0	3.611	0.0
4720310	305.	0.311	0.0	10.374	0.0	2.234	0.0
4720311	511.	0.600	0.0	19.641	0.0	4.402	0.0
4720312	612.	0.769	0.0	25.321	0.0	5.689	0.0
4720313	179.	0.260	0.0	8.479	0.0	1.951	0.0
4720314	179.	0.260	0.0	8.479	0.0	1.951	0.0
4720315	600.	0.863	0.0	28.196	0.0	6.479	0.0

RESIDENTIAL DATA UPDATE FILE HAS BEEN CREATED/REPLACED

FUEL USE BY STUDY AREA

THEORETICAL RESIDENTIAL FUEL CONSUMPTION IN ERIE COUNTY

TOTAL COUNTY ANTHRACITE COAL USE	94.97	10 TONS/YEAR
TOTAL COUNTY BITUMINOUS COAL USE	0.0	10 TONS/YEAR
TOTAL COUNTY RESIDUAL OIL USE	0.0	10K GAL/YEAR
TOTAL COUNTY DISTILLATE OIL USE	3250.48	10K GAL/YEAR
TOTAL COUNTY "NATURAL GAS" USE	5397.06	10 MMCF/YEAR
TOTAL COUNTY WOOD USE	5.62	100 TONS/YEAR

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000061	86.	0.0	0.0	4.480	0.0	0.674	0.0
2000062	680.	0.0	0.0	35.484	0.0	5.337	0.0
2000063	1397.	0.153	0.0	59.370	0.0	13.028	0.0
2000064	780.	0.190	0.0	21.908	0.0	10.055	0.0
2000069	170.	0.0	0.0	8.871	0.0	1.334	0.0
2000070	751.	0.073	0.0	27.470	0.0	8.255	0.0
2000071	898.	0.0	0.0	48.431	0.0	7.325	0.0
2000072	1069.	0.0	0.0	57.257	0.0	8.667	0.0
2000073	680.	0.169	0.0	4.515	0.0	11.491	0.0
2000074	2768.	0.263	0.0	77.175	0.0	33.705	0.0
2000075	978.	0.137	0.0	25.700	0.0	12.022	0.0
2000076	956.	0.088	0.0	24.184	0.0	13.041	0.0
2000077	266.	0.102	0.0	12.433	0.0	2.356	0.0
2000078	319.	0.095	0.0	12.300	0.0	3.512	0.0
2000079	1823.	0.181	0.0	15.978	0.0	29.475	0.0
2000080	3074.	0.440	0.0	52.950	0.0	43.502	0.0
2000081	1761.	0.0	0.0	26.735	0.0	26.777	0.0
2000082	1595.	0.700	0.0	52.708	0.0	18.948	0.0
2000083	1219.	0.121	0.0	17.057	0.0	18.516	0.0
2000084	1544.	0.0	0.0	26.247	0.0	22.700	0.0
2000085	374.	0.0	0.0	1.008	0.0	6.331	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000086	4259.	0.420	0.0	0.906	0.0	73.926	0.0
2000087	2800.	0.139	0.0	41.799	0.0	42.553	0.0
2000088	498.	0.048	0.0	4.238	0.0	7.780	0.0
2000089	623.	0.059	0.0	5.227	0.0	9.573	0.0
2000090	687.	0.065	0.0	5.785	0.0	10.601	0.0
2000091	863.	0.074	0.0	6.611	0.0	11.912	0.0
2000092	2023.	0.289	0.0	45.289	0.0	26.762	0.0
2000093	4337.	0.625	0.0	90.386	0.0	59.239	0.0
2000094	2122.	0.196	0.0	17.354	0.0	31.641	0.0
2000095	1141.	0.110	0.0	9.767	0.0	17.948	0.0
2000096	1671.	0.164	0.0	14.519	0.0	26.745	0.0
2000097	710.	0.063	0.0	5.622	0.0	10.191	0.0
2000098	1258.	0.122	0.0	10.782	0.0	19.712	0.0
2000099	2633.	0.248	0.0	21.953	0.0	40.161	0.0
2000100	3016.	0.293	0.0	25.890	0.0	47.595	0.0
2000101	2802.	0.409	0.0	23.536	0.0	44.529	0.0
2000102	5534.	1.056	0.0	89.484	0.0	79.145	0.0
2000103	6877.	2.240	0.0	42.205	0.0	107.015	0.0
2000104	2536.	0.241	0.0	7.541	0.0	41.980	0.0
2000105	2400.	0.233	0.0	8.545	0.0	40.432	0.0
2000106	540.	0.053	0.0	1.195	0.0	9.324	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000107	1927.	0.185	0.0	4.202	0.0	32.708	0.0
2000108	2347.	0.222	0.0	5.032	0.0	39.055	0.0
2000109	2958.	0.271	0.0	6.165	0.0	47.620	0.0
2000110	1387.	0.438	0.0	7.589	0.0	20.987	0.0
2000111	1372.	0.386	0.0	7.504	0.0	21.731	0.0
2000112	2241.	0.427	0.0	8.527	0.0	36.865	0.0
2000113	1340.	0.321	0.0	5.970	0.0	22.053	0.0
2000114	1368.	0.132	0.0	2.982	0.0	23.209	0.0
2000115	458.	0.045	0.0	1.009	0.0	7.864	0.0
2000116	1204.	0.114	0.0	2.586	0.0	20.074	0.0
2000117	526.	0.051	0.0	1.162	0.0	9.063	0.0
2000118	840.	0.079	0.0	1.803	0.0	13.997	0.0
2000119	1858.	0.090	0.0	13.190	0.0	30.120	0.0
2000120	1725.	0.404	0.0	7.506	0.0	27.642	0.0
2000121	1073.	0.255	0.0	4.959	0.0	17.460	0.0
2000122	1488.	0.356	0.0	6.300	0.0	24.495	0.0
2000123	654.	0.187	0.0	3.366	0.0	13.622	0.0
2000124	1579.	0.151	0.0	3.579	0.0	26.551	0.0
2000125	2858.	0.281	0.0	6.355	0.0	49.692	0.0
2000126	1704.	0.163	0.0	3.689	0.0	28.677	0.0
2000127	442.	0.043	0.0	1.115	0.0	7.656	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000128	461.	0.045	0.0	1.156	0.0	7.894	0.0
2000129	1374.	0.131	0.0	3.400	0.0	23.173	0.0
2000130	925.	0.260	0.0	4.686	0.0	14.746	0.0
2000131	662.	0.218	0.0	3.968	0.0	10.438	0.0
2000132	1866.	0.439	0.0	8.544	0.0	30.126	0.0
2000133	327.	0.063	0.0	1.370	0.0	5.495	0.0
2000134	1667.	0.158	0.0	4.093	0.0	27.864	0.0
2000135	995.	0.095	0.0	2.460	0.0	16.763	0.0
2000136	890.	0.086	0.0	2.217	0.0	15.125	0.0
2000137	383.	0.038	0.0	0.859	0.0	6.721	0.0
2000138	433.	0.042	0.0	0.957	0.0	7.467	0.0
2000139	301.	0.014	0.0	0.740	0.0	5.026	0.0
2000140	360.	0.0	0.0	0.952	0.0	5.954	0.0
2000141	180.	0.0	0.0	0.475	0.0	2.972	0.0
2000142	2260.	0.0	0.0	6.117	0.0	38.425	0.0
2000143	810.	0.075	0.0	1.785	0.0	13.188	0.0
2000144	340.	0.0	0.0	0.934	0.0	5.884	0.0
2000145	1248.	0.120	0.0	2.712	0.0	21.216	0.0
2000146	582.	0.056	0.0	1.332	0.0	9.905	0.0
2000147	336.	0.0	0.0	0.925	0.0	5.831	0.0
2000148	110.	0.0	0.0	0.304	0.0	1.918	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000149	301.	0.0	0.0	0.819	0.0	5.152	0.0
2000150	1738.	0.508	0.0	4.203	0.0	30.005	0.0
2000151	728.	0.288	0.0	1.863	0.0	12.797	0.0
2000152	662.	0.0	0.0	3.559	0.0	11.246	0.0
2000153	2063.	0.0	0.0	14.742	0.0	32.399	0.0
2000154	930.	0.0	0.0	19.856	0.0	12.888	0.0
2000155	1217.	0.448	0.0	5.383	0.0	22.242	0.0
2000156	2338.	0.677	0.0	14.124	0.0	38.253	0.0
2000157	823.	0.082	0.0	5.726	0.0	13.851	0.0
2000158	1438.	0.351	0.0	4.990	0.0	24.562	0.0
2000159	4423.	0.215	0.0	17.132	0.0	74.903	0.0
2000160	1751.	0.0	0.0	12.155	0.0	28.477	0.0
2000161	1859.	0.359	0.0	12.386	0.0	30.498	0.0
2000162	2962.	0.583	0.0	13.510	0.0	50.454	0.0
2000163	315.	0.062	0.0	1.435	0.0	5.358	0.0
2000164	1508.	1.492	0.0	27.324	0.0	21.780	0.0
2000174	784.	0.506	0.0	10.321	0.0	12.152	0.0
2000175	2090.	2.286	0.0	41.408	0.0	27.963	0.0
2000176	639.	0.760	0.0	13.580	0.0	8.789	0.0
2000177	3265.	0.0	0.0	17.278	0.0	55.134	0.0
2000178	782.	0.0	0.0	6.072	0.0	13.040	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000179	440.	0.263	0.0	6.835	0.0	6.693	0.0
2000180	834.	0.0	0.0	8.026	0.0	13.620	0.0
2000181	1415.	0.210	0.0	15.561	0.0	22.267	151.225
2000182	870.	0.0	0.0	24.295	0.0	10.912	0.0
2000183	920.	1.081	0.0	21.649	0.0	12.022	0.0
2000184	1088.	0.377	0.0	18.686	0.0	15.796	162.027
2000185	839.	0.700	0.0	12.163	0.0	12.715	64.811
2000186	1339.	2.374	0.0	25.867	0.0	18.654	0.0
2000187	1805.	0.179	0.0	29.100	0.0	26.489	0.0
2000188	741.	0.184	0.0	4.924	0.0	12.533	0.0
2000189	1554.	0.380	0.0	10.173	0.0	25.834	0.0
2000190	294.	0.058	0.0	3.018	0.0	4.659	0.0
2000191	30.	0.0	0.0	1.394	0.0	0.314	0.0
2000194	60.	0.0	0.0	2.788	0.0	0.629	0.0
2000196	945.	0.182	0.0	4.721	0.0	15.709	0.0
2000197	963.	0.183	0.0	4.259	0.0	15.823	0.0
2000198	1319.	3.132	0.0	10.331	0.0	20.636	0.0
2000199	597.	0.147	0.0	6.864	0.0	9.493	64.811
2000200	1695.	0.791	0.0	28.697	0.0	23.135	118.820
2000201	117.	0.173	0.0	3.108	0.0	1.456	0.0
2000202	70.	0.116	0.0	2.093	0.0	0.930	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000203	1319.	0.121	0.0	33.031	0.0	16.176	0.0
2000204	2437.	0.236	0.0	63.369	0.0	31.719	0.0
2000205	2572.	0.255	0.0	69.778	0.0	34.269	0.0
2000206	3997.	0.579	0.0	101.698	0.0	52.133	0.0
2000207	3531.	0.501	0.0	88.016	0.0	44.964	0.0
2000208	598.	0.079	0.0	13.991	0.0	7.068	0.0
2000209	2128.	0.397	0.0	47.884	0.0	27.474	0.0
2000210	6142.	2.307	0.0	52.346	0.0	94.125	0.0
2000211	6636.	1.852	0.0	82.135	0.0	96.262	0.0
2000212	6667.	2.444	0.0	43.646	0.0	101.346	0.0
2000213	6972.	2.519	0.0	45.014	0.0	104.266	0.0
2000214	4478.	1.590	0.0	28.440	0.0	65.681	0.0
2000215	5062.	1.859	0.0	33.200	0.0	77.117	0.0
2000216	1476.	0.543	0.0	9.690	0.0	22.512	0.0
2000217	178.	0.063	0.0	1.131	0.0	2.614	0.0
2000218	1628.	0.573	0.0	10.249	0.0	23.630	0.0
2000219	193.	0.068	0.0	1.225	0.0	2.830	0.0
2000220	879.	0.309	0.0	5.527	0.0	12.742	0.0
2000221	1530.	0.536	0.0	9.593	0.0	22.102	0.0
2000222	1599.	0.607	0.0	10.823	0.0	25.277	0.0
2000223	2937.	1.001	0.0	17.960	0.0	41.186	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000224	2623.	0.976	0.0	17.413	0.0	40.532	0.0
2000225	1658.	0.619	0.0	11.037	0.0	25.714	0.0
2000226	1576.	0.572	0.0	10.216	0.0	23.679	0.0
2000227	2135.	0.795	0.0	14.188	0.0	33.032	0.0
2000228	893.	0.322	0.0	5.747	0.0	13.304	0.0
2000229	1414.	0.464	0.0	8.345	0.0	19.005	0.0
2000230	3331.	1.175	0.0	21.036	0.0	48.532	0.0
2000231	3043.	1.110	0.0	19.820	0.0	45.982	0.0
2000232	2741.	0.976	0.0	17.453	0.0	40.327	0.0
2000233	3992.	1.345	0.0	24.139	0.0	55.237	0.0
2000234	2590.	0.720	0.0	13.090	0.0	28.815	0.0
2000235	2517.	0.900	0.0	16.100	0.0	37.230	0.0
2000236	2778.	1.024	0.0	18.276	0.0	42.474	0.0
2000237	2348.	0.865	0.0	15.437	0.0	35.872	0.0
2000238	1704.	0.627	0.0	11.199	0.0	26.021	0.0
2000239	2146.	0.807	0.0	14.396	0.0	33.569	0.0
2000240	2014.	0.747	0.0	13.323	0.0	30.994	0.0
2000241	2798.	1.032	0.0	18.419	0.0	42.810	0.0
2000242	3966.	1.428	0.0	25.552	0.0	59.109	0.0
2000243	2798.	1.032	0.0	18.419	0.0	42.810	0.0
2000244	3545.	1.250	0.0	22.368	0.0	51.596.	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000245	3090.	0.882	0.0	16.013	0.0	35.458	0.0
2000246	4325.	1.458	0.0	26.169	0.0	59.887	0.0
2000247	1597.	0.558	0.0	9.997	0.0	23.025	0.0
2000248	1400.	0.464	0.0	8.340	0.0	19.027	0.0
2000249	2203.	0.691	0.0	12.456	0.0	28.119	0.0
2000250	2186.	0.659	0.0	11.919	0.0	26.698	0.0
2000251	2581.	0.905	0.0	16.204	0.0	37.343	0.0
2000252	2935.	1.059	0.0	18.923	0.0	43.820	0.0
2000253	3499.	1.248	0.0	22.314	0.0	51.573	0.0
2000254	1234.	0.448	0.0	8.004	0.0	18.554	0.0
2000255	2057.	0.764	0.0	13.627	0.0	31.709	0.0
2000256	1282.	0.482	0.0	8.590	0.0	20.026	0.0
2000257	1375.	0.495	0.0	8.843	0.0	20.470	0.0
2000258	1562.	0.564	0.0	10.085	0.0	23.360	0.0
2000259	3012.	1.094	0.0	19.549	0.0	45.326	0.0
2000260	1687.	0.499	0.0	9.035	0.0	20.157	0.0
2000261	653.	0.164	0.0	3.014	0.0	6.482	0.0
2000262	1329.	0.377	0.0	6.844	0.0	15.131	0.0
2000263	336.	0.067	0.0	1.249	0.0	2.511	0.0
2000264	656.	0.172	0.0	3.143	0.0	6.826	0.0
2000265	1197.	0.379	0.0	6.621	0.0	15.424	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000266	1034.	0.346	0.0	6.212	0.0	14.195	0.0
2000267	1072.	0.399	0.0	7.122	0.0	16.581	0.0
2000268	375.	0.139	0.0	2.478	0.0	5.765	0.0
2000269	418.	0.160	0.0	2.846	0.0	6.653	0.0
2000270	1592.	0.597	0.0	10.639	0.0	24.794	0.0
2000271	462.	0.174	0.0	3.097	0.0	7.222	0.0
2000272	444.	0.165	0.0	2.942	0.0	6.847	0.0
2000273	422.	0.149	0.0	2.674	0.0	6.173	0.0
2000274	462.	0.154	0.0	2.773	0.0	6.335	0.0
2000275	462.	0.154	0.0	2.773	0.0	6.335	0.0
2000276	277.	0.103	0.0	1.845	0.0	4.298	0.0
2000277	277.	0.103	0.0	1.845	0.0	4.298	0.0
2000278	176.	0.066	0.0	1.172	0.0	2.728	0.0
2000279	76.	0.028	0.0	0.503	0.0	1.171	0.0
2000280	1217.	0.457	0.0	8.154	0.0	19.010	0.0
2000281	1790.	0.668	0.0	11.923	0.0	27.769	0.0
2000282	2126.	0.797	0.0	14.211	0.0	33.119	0.0
2000283	2131.	0.808	0.0	14.397	0.0	33.612	0.0
2000284	76.	0.028	0.0	0.503	0.0	1.171	0.0
2000285	283.	0.106	0.0	1.895	0.0	4.417	0.0
2000286	189.	0.072	0.0	1.286	0.0	3.006	0.0

ANNUAL FUEL USE (RESIDENTIAL):

STUDY AREA NUMBER	DWELLING UNITS	ANTH COAL 10 TONS	BITU COAL 10 TONS	DIST OIL 10K GAL	RESID OIL 10K GAL	NAT GAS 10 MMCF	WOOD TONS
2000287	1539.	0.588	0.0	10.470	0.0	24.472	0.0
2000288	2193.	0.837	0.0	14.915	0.0	34.861	0.0
2000289	1640.	0.391	0.0	7.425	0.0	26.740	0.0
2000290	877.	0.250	0.0	4.854	0.0	14.058	0.0
2000291	272.	0.088	0.0	1.531	0.0	4.251	0.0
2000292	594.	0.078	0.0	1.751	0.0	8.972	0.0
2000293	340.	0.029	0.0	0.766	0.0	5.099	0.0
2000294	340.	0.029	0.0	0.766	0.0	5.099	0.0
2000295	403.	0.035	0.0	0.909	0.0	6.045	0.0
2000296	1637.	0.148	0.0	3.847	0.0	25.790	0.0
2000297	360.	0.034	0.0	0.882	0.0	5.955	0.0
2000298	939.	0.086	0.0	2.242	0.0	15.070	0.0
2000299	468.	0.045	0.0	1.156	0.0	7.853	0.0
20C0300	234.	0.023	0.0	0.597	0.0	4.091	0.0
2000301	1031.	0.100	0.0	2.591	0.0	17.646	0.0
2000302	2233.	0.209	0.0	5.414	0.0	36.695	0.0
2000303	1121.	0.103	0.0	2.669	0.0	17.936	0.0
2000304	368.	0.069	0.0	1.611	0.0	5.976	0.0
2000305	679.	0.059	0.0	1.530	0.0	10.178	0.0

RESIDENTIAL DATA UPDATE FILE HAS BEEN CREATED/REPLACED

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
1	NIAGARA	208.8	4798.1
2	NIAGARA	198.8	4798.6
3	NIAGARA	193.6	4798.9
4	NIAGARA	188.5	4799.0
5	NIAGARA	183.4	4799.3
6	NIAGARA	167.7	4789.9
7	NIAGARA	177.6	4789.4
8	NIAGARA	188.1	4788.9
9	NIAGARA	198.3	4788.5
10	NIAGARA	208.3	4787.9
11	NIAGARA	207.9	4777.8
12	NIAGARA	203.2	4783.0
13	NIAGARA	203.0	4778.0
14	NIAGARA	197.8	4778.2
15	NIAGARA	201.4	4786.3
16	NIAGARA	199.2	4786.4
17	NIAGARA	198.2	4787.5
18	NIAGARA	198.2	4786.5
19	NIAGARA	198.1	4785.3
20	NIAGARA	199.2	4785.3
21	NIAGARA	200.2	4785.2
22	NIAGARA	201.2	4785.2
23	NIAGARA	202.2	4785.1
24	NIAGARA	201.2	4783.1
25	NIAGARA	199.1	4783.2

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
26	NIAGARA	198.1	4784.3
27	NIAGARA	198.0	4783.3
28	NIAGARA	187.6	4778.7
29	NIAGARA	182.8	4784.0
30	NIAGARA	182.6	4779.0
31	NIAGARA	177.6	4784.2
32	NIAGARA	177.4	4779.3
33	NIAGARA	175.6	4785.4
34	NIAGARA	173.5	4781.4
35	NIAGARA	171.7	4787.6
36	NIAGARA	169.7	4787.8
37	NIAGARA	169.6	4785.6
38	NIAGARA	171.7	4785.5
39	NIAGARA	170.5	4782.5
40	NIAGARA	169.4	4781.6
41	NIAGARA	170.5	4781.5
42	NIAGARA	169.4	4780.6
43	NIAGARA	171.5	4783.5
44	NIAGARA	170.4	4780.6
45	NIAGARA	171.4	4781.5
46	NIAGARA	171.4	4780.5
47	NIAGARA	172.4	4780.5
48	NIAGARA	175.4	4779.4
49	NIAGARA	173.4	4779.4
50	NIAGARA	171.4	4779.6

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
51	NIAGARA	172.4	4779.5
52	NIAGARA	177.2	4777.2
53	NIAGARA	179.3	4777.1
54	NIAGARA	181.3	4777.0
55	NIAGARA	183.4	4776.9
56	NIAGARA	185.5	4776.8
57	NIAGARA	185.4	4774.9
58	NIAGARA	183.4	4775.0
59	NIAGARA	181.3	4775.1
60	NIAGARA	179.3	4775.1
61	NIAGARA	177.2	4775.3
62		0.0	0.0
64	NIAGARA	181.2	4772.0
65	NIAGARA	183.3	4772.9
66	NIAGARA	185.4	4772.8
67	NIAGARA	185.3	4770.9
68	NIAGARA	183.2	4770.9
69		0.0	0.0
75	NIAGARA	183.1	4768.9
76	NIAGARA	185.2	4768.8
77	NIAGARA	187.4	4773.7
78	NIAGARA	192.6	4773.5
80	NIAGARA	187.2	4768.7
81		0.0	0.0
82	NIAGARA	207.4	4767.7

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
165	NIAGARA	170.4	4779.6
166	NIAGARA	169.3	4779.6
167	NIAGARA	169.2	4778.6
168	NIAGARA	170.3	4778.5
169	NIAGARA	171.3	4776.5
170	NIAGARA	172.3	4778.4
171	NIAGARA	173.3	4778.4
172	NIAGARA	174.3	4778.3
173	NIAGARA	175.2	4777.3
192	NIAGARA	169.2	4777.6
193	NIAGARA	170.3	4777.4
195	NIAGARA	175.2	4775.4
306	NIAGARA	171.3	4777.5
307	NIAGARA	172.3	4777.5
308	NIAGARA	173.3	4777.4
309	NIAGARA	174.3	4777.4
310	NIAGARA	169.2	4776.6
311	NIAGARA	170.2	4776.6
312	NIAGARA	171.2	4776.5
313	NIAGARA	172.2	4776.5
314	NIAGARA	173.2	4776.4
315	NIAGARA	174.2	4776.4

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
61	ERIE	177.2	4775.3
62	ERIE	177.0	4771.3
63	ERIE	176.9	4767.2
64	ERIE	181.2	4772.9
69	ERIE	181.2	4771.1
70	ERIE	176.7	4763.2
71	ERIE	171.9	4769.5
72	ERIE	171.7	4764.3
73	ERIE	171.3	4732.9
74	ERIE	181.1	4769.1
75	ERIE	183.1	4769.0
76	ERIE	185.2	4768.8
77	ERIE	187.4	4773.7
78	ERIE	192.6	4773.5
79	ERIE	192.3	4768.4
80	ERIE	187.2	4768.7
81	ERIE	157.4	4768.2
82	ERIE	207.4	4767.7
83	ERIE	207.0	4757.7
84	ERIE	202.3	4763.0
85	ERIE	202.1	4757.9
86	ERIE	196.9	4758.1
87	ERIE	197.1	4763.2
88	ERIE	195.3	4766.4
89	ERIE	195.2	4766.4

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
90	ERIE	191.2	4766.6
91	ERIE	189.2	4766.6
92	ERIE	187.1	4766.7
93	ERIE	187.0	4764.6
94	ERIE	189.1	4764.5
95	ERIE	191.2	4764.4
96	ERIE	193.2	4764.4
97	ERIE	195.2	4764.2
98	ERIE	195.1	4762.2
99	ERIE	193.1	4762.4
100	ERIE	191.1	4762.5
101	ERIE	189.0	4762.6
102	ERIE	186.9	4762.6
103	ERIE	188.8	4760.5
104	ERIE	190.8	4760.4
105	ERIE	193.0	4760.3
106	ERIE	195.0	4760.2
107	ERIE	194.9	4758.2
108	ERIE	192.9	4758.3
109	ERIE	190.9	4758.4
110	ERIE	189.9	4759.5
111	ERIE	189.8	4758.5
112	ERIE	189.7	4757.4
113	ERIE	189.7	4756.3
114	ERIE	190.8	4756.3

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
115	ERIE	192.8	4756.2
116	ERIE	194.8	4756.1
117	ERIE	194.7	4754.2
118	ERIE	192.7	4754.2
119	ERIE	190.7	4754.3
120	ERIE	189.7	4755.4
121	ERIE	189.7	4754.4
122	ERIE	189.6	4753.4
123	ERIE	189.5	4752.4
124	ERIE	190.6	4752.3
125	ERIE	192.6	4752.2
126	ERIE	194.5	4752.1
127	ERIE	194.5	4750.2
128	ERIE	192.6	4750.3
129	ERIE	190.4	4750.4
130	ERIE	189.5	4751.4
131	ERIE	189.5	4750.5
132	ERIE	189.4	4749.5
133	ERIE	189.4	4748.3
134	ERIE	190.3	4748.3
135	ERIE	192.4	4748.2
136	ERIE	194.4	4748.1
137	ERIE	196.9	4757.1
138	ERIE	197.9	4757.0
139	ERIE	199.0	4757.0

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
140	ERIE	200.0	4756.9
141	ERIE	201.0	4756.9
142	ERIE	199.9	4754.9
143	ERIE	198.9	4755.9
144	ERIE	198.9	4754.9
145	ERIE	196.8	4755.0
146	ERIE	196.7	4753.0
147	ERIE	198.8	4753.9
148	ERIE	198.8	4753.0
149	ERIE	199.8	4752.9
150	ERIE	196.4	4748.0
151	ERIE	201.7	4747.8
152	ERIE	201.9	4752.8
153	ERIE	206.5	4747.6
154	ERIE	206.0	4737.5
155	ERIE	201.4	4742.6
156	ERIE	201.2	4737.6
157	ERIE	196.0	4737.9
158	ERIE	196.3	4742.9
159	ERIE	191.2	4743.1
160	ERIE	191.0	4736.2
161	ERIE	185.9	4738.4
162	ERIE	180.7	4738.7
163	ERIE	189.1	4743.2
164	ERIE	175.3	4733.6

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
174	ERIE	175.1	4728.6
175	ERIE	180.5	4733.5
176	ERIE	180.3	4728.4
177	ERIE	185.4	4733.1
178	ERIE	190.8	4732.9
179	ERIE	185.5	4728.1
180	ERIE	190.5	4727.9
181	ERIE	195.7	4727.7
182	ERIE	205.7	4727.2
183	ERIE	205.2	4717.1
184	ERIE	195.2	4717.6
185	ERIE	185.0	4718.1
186	ERIE	174.7	4718.6
187	ERIE	164.6	4719.0
188	ERIE	171.1	4728.9
189	ERIE	166.0	4729.1
190	ERIE	161.7	4724.3
191	ERIE	159.5	4719.3
194	ERIE	169.4	4713.7
196	ERIE	187.1	4743.4
197	ERIE	185.1	4743.4
198	ERIE	174.2	4708.4
199	ERIE	184.6	4707.9
200	ERIE	194.7	4707.6
201	ERIE	205.0	4712.0

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
202	ERIE	210.2	4711.8
203	ERIE	181.0	4767.0
204	ERIE	183.0	4766.9
205	ERIE	185.1	4766.8
206	ERIE	185.0	4764.7
207	ERIE	183.0	4764.8
208	ERIE	180.8	4764.9
209	ERIE	180.8	4762.9
210	ERIE	182.9	4762.8
211	ERIE	184.9	4762.7
212	ERIE	186.8	4760.6
213	ERIE	184.8	4760.7
214	ERIE	182.8	4760.8
215	ERIE	180.7	4760.9
216	ERIE	181.8	4759.9
217	ERIE	182.7	4759.8
218	ERIE	183.7	4759.8
219	ERIE	184.7	4759.7
220	ERIE	185.8	4759.7
221	ERIE	186.8	4759.6
222	ERIE	187.8	4759.6
223	ERIE	188.9	4759.5
224	ERIE	188.8	4758.5
225	ERIE	187.8	4758.6
226	ERIE	186.7	4758.6

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
227	ERIE	185.8	4758.7
228	ERIE	184.8	4758.7
229	ERIE	183.7	4758.8
230	ERIE	182.7	4758.9
231	ERIE	181.7	4758.9
232	ERIE	181.7	4757.8
233	ERIE	182.7	4757.8
234	ERIE	183.7	4757.7
235	ERIE	184.7	4757.6
236	ERIE	185.7	4757.6
237	ERIE	186.7	4757.6
238	ERIE	187.8	4757.5
239	ERIE	188.8	4757.5
240	ERIE	188.7	4756.4
241	ERIE	187.7	4756.4
242	ERIE	186.7	4756.5
243	ERIE	185.7	4756.5
244	ERIE	184.7	4756.6
245	ERIE	183.6	4756.7
246	ERIE	182.6	4756.7
247	ERIE	181.6	4756.8
248	ERIE	181.6	4755.8
249	ERIE	182.6	4755.7
250	ERIE	183.6	4755.7
251	ERIE	184.6	4755.6

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
252	ERIE	185.5	4755.6
253	ERIE	186.6	4755.5
254	ERIE	187.7	4755.5
255	ERIE	188.7	4755.4
256	ERIE	188.7	4754.5
257	ERIE	187.7	4754.5
258	ERIE	186.6	4754.6
259	ERIE	185.6	4754.6
260	ERIE	184.6	4754.7
261	ERIE	183.6	4754.7
262	ERIE	182.5	4754.8
263	ERIE	182.5	4753.8
264	ERIE	183.5	4753.7
265	ERIE	184.5	4753.6
266	ERIE	185.5	4753.6
267	ERIE	186.5	4753.5
268	ERIE	187.6	4753.5
269	ERIE	188.6	4753.5
270	ERIE	188.5	4752.4
271	ERIE	187.6	4752.5
272	ERIE	186.5	4752.5
273	ERIE	185.5	4752.5
274	ERIE	184.5	4752.6
275	ERIE	183.5	4752.6
276	ERIE	183.4	4751.7

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
277	ERIE	184.5	4751.6
278	ERIE	185.5	4751.6
279	ERIE	186.4	4751.5
280	ERIE	187.5	4751.5
281	ERIE	188.5	4751.5
282	ERIE	188.4	4750.5
283	ERIE	187.5	4750.6
284	ERIE	186.4	4750.6
285	ERIE	184.4	4749.7
286	ERIE	186.3	4749.6
287	ERIE	187.4	4749.6
288	ERIE	188.4	4749.5
289	ERIE	188.4	4748.4
290	ERIE	187.4	4748.5
291	ERIE	186.3	4748.5
292	ERIE	185.3	4748.5
293	ERIE	184.3	4748.6
294	ERIE	184.2	4747.6
295	ERIE	185.3	4747.5
296	ERIE	186.3	4747.4
297	ERIE	187.3	4747.4
298	ERIE	188.4	4747.4
299	ERIE	189.3	4747.4
300	ERIE	190.3	4747.3
301	ERIE	189.2	4745.3

DEFINITION OF SUB-COUNTY NUMBERS

SUB-COUNTY NO.	NAME	UTM LOCATION (KM) E	N
302	ERIE	187.2	4745.5
303	ERIE	186.2	4746.5
304	ERIE	186.1	4745.5
305	ERIE	184.2	4745.6
316	ERIE	170.7	4744.6

APPENDIX H

SUBCOUNTY ALLOCATION FACTORS FOR OTHER AREA SOURCE CATEGORIES

ALLOCATION PROGRAM FOR SUB-COUNTY AREAS

ENGINEERING-SCIENCE, INC.
MCLEAN, VA

ERIE COUNTY ALLOCATIONS

YEAR OF RECORD ON ALLOCATION FORM: 75
YEAR OF RECORD ON NEDS AREA FORM: 75

DESCRIPTION OF ALLOCATION CODES

ALLOC. CODE	ABBREVIATED DESCRIPTION	FULL DESCRIPTION OF CODE
1	AREA	AREA IN SQUARE KILOMETERS
2	POPULATN	POPULATION
3	VMT	TOTAL VMT
4	LDV	LIGHT DUTY VEHICLES VMT
5	AG EMP	AGRICULTURAL EMPLOYEES
*		
*		
8	CONTR EM	CONSTRUCTION EMPLOYEES
9	HDV	HEAVY DUTY VEHICLES VMT
A	2 & 5	COMBINATION OF POPULATION & AGRICULTURAL EMPLOYEES
B	5 & 8 #1	COMBINATION OF AGRICULTURAL EMPLOYEES & CONSTRUCTION
C	5 & 8 #2	COMBINATION OF AGRICULTURAL EMPLOYEES & CONSTRUCTION
X	FOREST F	FOREST FIRE FACTOR
Y	ROCK H&S	ROCK HANDLING AND STORAGE FACTOR
Z	AG/SL BN	AGRICULTURAL/SLASH BURNING FACTOR
D	MIL LTO	MILITARY LTO
E	CIV LTO	CIVILIAN LTO
F	COMM LTO	COMMERCIAL LTO
G	UNPVD RD	UNPAVED ROADS
H	DIESL VS	DIESEL VESSELS
I	RESID VS	RESIDUAL OIL VESSELS
J	GAS VESL	GAS VESSELS
K	RL LOCO	RAIL LOCOMOTIVES
L	DIRT A/S	DIRT AIRSTRIPS
6	C/I EMP	COMMERCIAL/INSTITUTIONAL EMPLOYEES
7	MANU EMP	MANUFACTURING EMPLOYEES

SELECTED BASIS OF ALLOCATION FOR EACH AREA SOURCE CATEGORY *

EM EST	RSDNTL FUEL	C/I FUEL	INDUST FUEL	O-S INC	CPN BRN	GSL	DSL	AIR	VESL	EV	VMT	MISC	OTHER
		666666	77777777			49A	98K	DEF	HIJ			GLCV	XZ 2

SUB-COUNTY NO.	AREA #	AREA ALLOC PROP	POPULATION #	POPULATION ALLOC PROP	VMT #	VMT ALLOC PROP	LOV #	LOV ALLOC PROP	AG EMP #	AG EMP ALLOC PROP	#	#	CONTR EM #	CONTR EM ALLOC PROP	HOV #	HOV ALLOC PROP	2 C S #	2 C S ALLOC PROP	S C B #1 #	S C B #1 ALLOC PROP	S C B #2 #	S C B #2 ALLOC PROP
61	4	.001	271	.000	85	.001	71	.001	0	.0	0	.0	2	.000	14	.001	0	.0	0	.0	0	.0
62	16	.005	2622	.002	39	.000	34	.000	0	.0	0	.0	11	.001	7	.001	2	.002	1	.001	1	.001
63	16	.005	4059	.004	1224	.013	1093	.014	1	.001	0	.0	30	.002	131	.011	4	.004	1	.001	1	.001
64	4	.001	129	.000	1	.000	1	.000	0	.0	0	.0	1	.000	0	.0	0	.0	0	.0	0	.0
69	4	.001	100	.000	11	.000	9	.000	0	.0	0	.0	1	.000	1	.000	0	.0	0	.0	0	.0
70	16	.005	4337	.004	715	.008	640	.008	2	.001	0	.0	138	.011	76	.006	2	.002	8	.009	8	.009
71	25	.009	3933	.004	1336	.014	1127	.014	0	.0	0	.0	45	.004	209	.017	3	.003	3	.003	3	.003
72	25	.009	2411	.002	60	.001	53	.001	0	.0	0	.0	21	.002	6	.000	0	.0	1	.001	1	.001
73	16	.005	3189	.003	372	.004	296	.004	0	.0	0	.0	5	.000	75	.006	2	.002	0	.0	0	.0
74	4	.001	1855	.002	151	.002	134	.002	0	.0	0	.0	5	.000	17	.001	1	.001	0	.0	0	.0
75	4	.001	5232	.005	360	.004	320	.004	0	.0	0	.0	126	.010	40	.003	3	.003	8	.009	8	.009
76	4	.001	4237	.004	244	.003	218	.003	1	.001	0	.0	0	.0	68	.006	25	.002	3	.003	4	.005
77	25	.009	75	.000	28	.000	25	.000	1	.001	0	.0	0	.0	3	.000	0	.0	0	.0	0	.0
78	25	.009	668	.001	186	.002	149	.002	4	.002	0	.0	0	.0	14	.001	38	.003	0	.0	1	.001
79	25	.009	7051	.007	651	.007	520	.006	20	.012	0	.0	0	.0	81	.007	127	.011	7	.008	6	.007
80	25	.009	13815	.013	1006	.011	902	.011	21	.013	0	.0	0	.0	107	.009	106	.009	13	.014	7	.008
81	100	.034	8167	.008	805	.009	704	.009	63	.039	0	.0	0	.0	61	.005	100	.008	10	.011	11	.012
82	100	.034	4062	.004	342	.004	272	.003	16	.010	0	.0	0	.0	64	.005	72	.006	4	.004	5	.006
83	100	.034	6697	.006	1184	.013	963	.012	89	.055	0	.0	0	.0	34	.003	222	.018	12	.013	10	.011
84	25	.009	4825	.005	729	.008	634	.008	8	.005	0	.0	0	.0	38	.003	94	.008	3	.003	2	.002
85	25	.009	1289	.001	1724	.019	1413	.018	3	.002	0	.0	0	.0	29	.002	311	.026	0	.0	1	.001
86	25	.009	12620	.012	2039	.022	1833	.023	15	.009	0	.0	0	.0	300	.025	208	.017	9	.010	19	.022
87	25	.009	8262	.008	1070	.012	961	.012	13	.008	0	.0	0	.0	136	.011	108	.009	7	.008	10	.011
88	4	.001	1468	.001	156	.002	133	.002	3	.002	0	.0	0	.0	21	.002	24	.002	1	.001	1	.001
89	4	.001	7338	.007	121	.001	104	.001	6	.004	0	.0	0	.0	78	.006	17	.001	7	.008	6	.007

SUB-COUNTY NO.	AREA		POPULATION		VOI		LOV		AG EMP				CONTR EQ		LOV		2 & 5		5 & 8 #1		5 & 8 #2	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
90	4	.001	881	.001	468	.005	415	.005	2	.001	0	.0	0	.0	6	.000	52	.004	0	.0	0	.0
91	4	.001	1460	.001	112	.001	100	.001	3	.002	0	.0	0	.0	7	.001	12	.001	1	.001	0	.0
92	4	.001	8787	.009	1254	.014	1158	.014	4	.002	0	.0	0	.0	86	.007	139	.012	8	.009	6	.007
93	4	.001	6659	.006	482	.005	430	.005	2	.001	0	.0	0	.0	92	.008	53	.004	4	.004	5	.006
94	4	.001	4672	.005	1221	.013	1088	.014	1	.001	0	.0	0	.0	276	.023	133	.011	4	.004	16	.018
95	4	.001	3154	.005	638	.007	568	.007	10	.006	0	.0	0	.0	66	.005	70	.006	6	.007	6	.007
96	4	.001	4838	.005	123	.001	108	.001	4	.002	0	.0	0	.0	76	.006	15	.001	4	.004	4	.005
97	4	.001	2774	.003	268	.003	233	.003	5	.003	0	.0	0	.0	10	.001	35	.003	3	.003	1	.001
98	4	.001	3640	.004	318	.003	276	.003	2	.001	0	.0	0	.0	53	.004	40	.003	3	.003	3	.003
99	4	.001	3675	.004	750	.008	659	.008	1	.001	0	.0	0	.0	46	.004	91	.008	4	.004	3	.003
100	4	.001	4450	.004	775	.008	687	.009	0	.0	0	.0	0	.0	34	.003	87	.007	3	.003	1	.001
101	4	.001	7836	.008	481	.005	427	.005	3	.002	0	.0	0	.0	50	.004	53	.004	5	.006	3	.003
102	4	.001	6609	.006	459	.005	408	.005	0	.0	0	.0	0	.0	100	.008	50	.004	4	.004	6	.007
103	4	.001	12917	.013	868	.009	773	.010	2	.001	0	.0	0	.0	118	.010	95	.008	10	.011	8	.009
104	4	.001	12084	.012	1324	.014	1178	.015	0	.0	0	.0	0	.0	77	.006	146	.012	8	.009	4	.005
105	4	.001	7546	.008	1783	.019	1563	.019	0	.0	0	.0	0	.0	70	.006	220	.018	6	.007	5	.006
106	4	.001	654	.001	364	.004	308	.004	0	.0	0	.0	0	.0	47	.004	56	.005	0	.0	2	.002
107	4	.001	5467	.005	364	.004	309	.004	0	.0	0	.0	0	.0	60	.005	57	.005	4	.004	3	.003
108	4	.001	11253	.011	901	.010	793	.010	2	.001	0	.0	0	.0	71	.006	108	.009	9	.010	4	.005
109	4	.001	3971	.004	358	.004	320	.004	5	.003	0	.0	0	.0	32	.003	38	.003	2	.002	2	.002
110	1	.000	750	.001	103	.001	92	.001	6	.004	0	.0	0	.0	7	.001	11	.001	1	.001	1	.001
111	1	.000	750	.001	103	.001	92	.001	6	.004	0	.0	0	.0	7	.001	11	.001	1	.001	1	.001
112	1	.000	3842	.004	66	.001	59	.001	3	.002	0	.0	0	.0	14	.001	7	.001	3	.003	2	.002
113	1	.000	532	.001	165	.002	147	.002	1	.001	0	.0	0	.0	19	.002	17	.001	1	.001	1	.001
114	4	.001	3570	.003	799	.009	714	.009	0	.0	0	.0	0	.0	221	.018	85	.007	2	.002	13	.015

SUB-COUNTY NO.	AREA		POPULATN		VMT		LOV		AG EMP				CONTR EMI UOV		1 2 6 5		1 5 6 8 #1		1 5 6 8 #2	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
115	4	.001	3753	.004	1524	.017	1345	.017	0	.0	0	.0	117	.010	180	.015	3	.003	7	.008	7	.008
116	4	.001	6378	.006	734	.008	624	.008	1	.001	0	.0	104	.009	107	.009	5	.006	6	.007	6	.007
117	4	.001	1857	.002	218	.002	185	.002	0	.0	0	.0	36	.003	34	.003	1	.001	2	.002	2	.002
118	4	.001	3080	.003	298	.003	260	.003	0	.0	0	.0	42	.003	40	.003	2	.002	2	.002	2	.002
119	4	.001	4311	.004	297	.003	266	.003	0	.0	0	.0	42	.003	31	.003	2	.002	2	.002	2	.002
120	1	.000	2035	.002	26	.000	23	.000	0	.0	0	.0	23	.002	3	.000	2	.002	2	.002	2	.002
121	1	.000	3303	.003	248	.003	222	.003	0	.0	0	.0	25	.002	27	.002	3	.003	2	.002	2	.002
122	1	.000	2536	.002	445	.005	397	.005	0	.0	0	.0	5	.000	48	.004	2	.002	0	.0	0	.0
123	1	.000	1682	.002	61	.001	55	.001	0	.0	0	.0	10	.001	6	.000	1	.001	1	.001	1	.001
124	4	.001	5564	.006	921	.010	821	.010	1	.001	0	.0	38	.003	99	.008	4	.004	2	.002	2	.002
125	4	.001	2645	.003	505	.005	436	.005	0	.0	0	.0	54	.004	68	.006	2	.002	3	.003	3	.003
126	4	.001	10537	.010	172	.002	145	.002	0	.0	0	.0	46	.004	27	.002	8	.009	3	.003	3	.003
127	4	.001	1587	.002	64	.001	53	.001	5	.003	0	.0	34	.003	11	.001	2	.002	3	.003	3	.003
128	4	.001	2565	.002	187	.002	163	.002	5	.003	0	.0	73	.006	23	.002	3	.003	6	.007	6	.007
129	4	.001	3514	.003	1043	.011	946	.012	3	.002	0	.0	67	.006	96	.008	2	.002	4	.005	4	.005
130	1	.000	1203	.001	60	.001	55	.001	0	.0	0	.0	5	.000	5	.000	1	.001	0	.0	0	.0
131	1	.000	2420	.002	206	.002	188	.002	0	.0	0	.0	13	.001	19	.002	2	.002	1	.001	1	.001
132	1	.000	1038	.001	114	.001	103	.001	1	.001	0	.0	12	.001	11	.001	0	.0	1	.001	1	.001
133	1	.000	2076	.002	346	.004	314	.004	0	.0	0	.0	3	.000	32	.003	1	.001	0	.0	0	.0
134	4	.001	4567	.004	691	.007	627	.008	6	.004	0	.0	36	.003	64	.005	4	.004	2	.002	2	.002
135	4	.001	5234	.005	444	.005	391	.005	4	.002	0	.0	62	.005	53	.004	5	.006	5	.006	5	.006
136	4	.001	3274	.003	151	.002	127	.002	1	.001	0	.0	48	.004	26	.002	2	.002	3	.003	3	.003
137	1	.000	1961	.002	50	.001	42	.001	0	.0	0	.0	17	.001	8	.001	2	.002	1	.001	1	.001
138	1	.000	2720	.003	143	.002	127	.002	2	.001	0	.0	29	.002	16	.001	2	.002	1	.001	1	.001
139	1	.000	1705	.002	132	.001	120	.001	2	.001	0	.0	34	.003	12	.001	1	.001	2	.002	2	.002

SUB-COUNTY NO.	AREA		POPULATN		VMT		LOV		AG EMP				COMM EMP		LOV		2 & 3		5 & 8 #1		5 & 8 #2	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
140	1	.000	581	.001	49	.001	45	.001	0	.0	0	.0	32	.003	4	.000	1	.001	2	.002	2	.002
141	1	.000	135	.000	4	.000	4	.000	0	.0	0	.0	1	.000	0	.0	0	.0	0	.0	0	.0
142	4	.001	6324	.006	203	.002	185	.002	6	.004	0	.0	122	.010	18	.001	6	.007	9	.010	9	.010
143	1	.000	2052	.002	176	.002	161	.002	1	.001	0	.0	48	.004	16	.001	2	.002	3	.003	3	.003
144	1	.000	1731	.002	66	.001	60	.001	3	.002	0	.0	14	.001	6	.000	1	.001	1	.001	1	.001
145	4	.001	3638	.004	390	.004	345	.004	3	.002	0	.0	133	.011	46	.004	3	.003	9	.010	9	.010
146	4	.001	1756	.002	277	.003	247	.003	2	.001	0	.0	9	.001	30	.002	2	.002	1	.001	1	.001
147	1	.000	1373	.001	88	.001	80	.001	3	.002	0	.0	10	.001	8	.001	1	.001	1	.001	1	.001
148	1	.000	775	.001	184	.002	167	.002	5	.003	0	.0	9	.001	16	.001	1	.001	1	.001	1	.001
149	4	.001	2447	.002	20	.000	19	.000	4	.002	0	.0	13	.001	2	.000	2	.002	1	.001	1	.001
150	25	.009	3000	.003	827	.009	743	.009	7	.004	0	.0	588	.048	83	.007	1	.001	36	.041	36	.041
151	25	.009	2013	.002	357	.004	315	.004	11	.007	0	.0	7	.001	41	.003	2	.002	1	.001	1	.001
152	25	.009	1256	.001	333	.004	275	.003	6	.004	0	.0	72	.006	59	.005	0	.0	5	.006	5	.006
153	100	.034	8541	.009	896	.010	708	.009	79	.049	0	.0	81	.007	189	.016	10	.011	13	.015	13	.015
154	100	.034	2411	.002	465	.005	368	.005	52	.032	0	.0	0	.0	97	.008	5	.006	7	.008	7	.008
155	25	.009	3102	.003	505	.005	453	.006	29	.018	0	.0	11	.001	51	.004	3	.003	4	.005	4	.005
156	25	.009	8636	.008	565	.006	523	.007	31	.019	0	.0	122	.010	42	.003	8	.009	11	.012	11	.012
157	25	.009	1822	.002	153	.002	140	.002	3	.002	0	.0	8	.001	14	.001	2	.002	0	.0	0	.0
158	25	.009	2522	.002	215	.002	185	.002	3	.002	0	.0	37	.003	29	.002	2	.002	2	.002	2	.002
159	25	.009	16102	.016	1249	.014	1103	.014	7	.004	0	.0	123	.010	148	.012	14	.016	8	.009	8	.009
160	25	.009	11212	.011	739	.008	664	.008	28	.017	0	.0	151	.012	76	.006	11	.012	12	.014	12	.014
161	25	.009	7830	.008	789	.009	700	.009	21	.013	0	.0	100	.008	86	.007	9	.010	8	.009	8	.009
162	25	.009	11159	.011	2846	.031	2513	.031	17	.011	0	.0	67	.006	331	.028	8	.009	5	.006	5	.006
163	4	.001	2742	.003	366	.004	327	.004	0	.0	0	.0	4	.000	39	.003	2	.002	0	.0	0	.0
164	25	.009	4787	.005	432	.005	377	.005	9	.006	0	.0	20	.002	57	.005	4	.004	1	.001	1	.001

SUB-COUNTY NO.	AREA ALLOC #	AREA PROP	POPULATN ALLOC #	POPULATN PROP	VBI ALLOC #	VBI PROP	LOV ALLOC #	LOV PROP	AG ESP ALLOC #	AG ESP PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	CONTR EMP ALLOC #	CONTR EMP PROP	HOV ALLOC #	HOV PROP	2 6 5 ALLOC #	2 6 5 PROP	5 6 8 #11 ALLOC #	5 6 8 #11 PROP	5 6 8 #21 ALLOC #	5 6 8 #21 PROP
174	25	.009	2637	.003	632	.007	493	.006	32	.020	0	.0	0	.0	14	.001	140	.012	4	.004	5	.006	5	.006
175	25	.009	8036	.008	546	.006	478	.006	27	.017	0	.0	0	.0	48	.004	70	.006	8	.009	5	.006	5	.006
176	25	.009	2757	.003	306	.003	239	.003	59	.037	0	.0	0	.0	14	.001	68	.006	7	.008	7	.008	7	.008
177	25	.009	10422	.010	712	.008	628	.008	36	.022	0	.0	0	.0	122	.010	83	.007	10	.011	12	.014	12	.014
178	25	.009	2135	.002	160	.002	143	.002	11	.007	0	.0	0	.0	3	.000	19	.002	2	.002	1	.001	1	.001
179	25	.009	2576	.002	192	.002	150	.002	25	.016	0	.0	0	.0	2	.000	42	.003	4	.004	2	.002	2	.002
180	25	.009	2467	.002	314	.003	245	.003	21	.013	0	.0	0	.0	2	.000	69	.006	3	.003	2	.002	2	.002
181	100	.034	5598	.006	443	.005	391	.005	40	.025	0	.0	0	.0	43	.004	54	.004	7	.008	8	.009	8	.009
182	100	.034	4128	.004	525	.006	432	.005	63	.039	0	.0	0	.0	56	.005	96	.008	6	.007	10	.011	10	.011
183	100	.034	1444	.001	288	.003	225	.003	26	.016	0	.0	0	.0	15	.001	64	.005	3	.003	4	.005	4	.005
184	100	.034	3765	.004	513	.006	400	.005	30	.019	0	.0	0	.0	54	.004	115	.010	5	.006	7	.008	7	.008
185	100	.034	2243	.002	236	.003	184	.002	27	.017	0	.0	0	.0	1	.000	52	.004	4	.004	2	.002	2	.002
186	100	.034	4745	.005	498	.005	388	.005	154	.096	0	.0	0	.0	20	.002	109	.009	16	.018	16	.018	16	.018
187	100	.034	7198	.007	697	.008	544	.007	72	.045	0	.0	0	.0	25	.002	156	.013	11	.012	9	.010	9	.010
188	16	.005	1479	.001	1227	.013	958	.012	2	.001	0	.0	0	.0	3	.000	270	.022	1	.001	0	.0	0	.0
189	25	.009	2611	.003	245	.003	191	.002	1	.001	0	.0	0	.0	4	.000	53	.004	2	.002	0	.0	0	.0
190	9	.003	2207	.002	75	.001	58	.001	0	.0	0	.0	0	.0	3	.000	17	.001	2	.002	0	.0	0	.0
191	25	.009	1275	.001	305	.003	237	.003	0	.0	0	.0	0	.0	1	.000	67	.006	1	.001	0	.0	0	.0
194	25	.009	0	.0	54	.001	43	.001	0	.0	0	.0	0	.0	0	.0	12	.001	0	.0	0	.0	0	.0
196	4	.001	4014	.004	878	.010	772	.010	4	.002	0	.0	0	.0	22	.002	106	.009	3	.003	1	.001	1	.001
197	4	.001	3635	.003	720	.008	634	.008	2	.001	0	.0	0	.0	21	.002	86	.007	3	.003	3	.003	3	.003
198	100	.034	5564	.005	398	.004	313	.004	52	.032	0	.0	0	.0	55	.005	88	.007	8	.009	8	.009	8	.009
199	100	.034	1472	.001	165	.002	129	.002	152	.095	0	.0	0	.0	1	.000	36	.003	12	.013	15	.017	15	.017
200	100	.034	6028	.006	277	.003	216	.003	43	.027	0	.0	0	.0	30	.002	61	.005	8	.009	6	.007	6	.007
201	25	.009	377	.000	22	.000	17	.000	8	.005	0	.0	0	.0	0	.0	5	.000	1	.001	1	.001	1	.001

SUB-COUNTY NO.	AREA #	AREA ALLOC PROP	POPULATION #	POPULATION ALLOC PROP	VMT #	VMT ALLOC PROP	LOV #	LOV ALLOC PROP	AG EMP #	AG EMP ALLOC PROP	#	#	CONTR EMP #	CONTR EMP ALLOC PROP	HOV #	HOV ALLOC PROP	2 & 5 #	2 & 5 ALLOC PROP	5 & 8 ALL #	5 & 8 ALLOC PROP	5 & 8 A2 #	5 & 8 A2 ALLOC PROP
202	25	.009	457	.000	111	.001	86	.001	8	.005	0	.0	0	.0	5	.000	25	.002	1	.001	1	.001
203	4	.001	3842	.004	440	.005	394	.005	0	.0	0	.0	0	.0	10	.001	46	.004	3	.003	1	.001
204	4	.001	7892	.008	835	.009	747	.009	2	.001	0	.0	0	.0	144	.012	89	.007	7	.008	10	.011
205	4	.001	5724	.009	969	.011	866	.011	4	.002	0	.0	0	.0	120	.010	103	.009	9	.010	8	.009
206	4	.001	12595	.013	696	.008	624	.008	6	.004	0	.0	0	.0	86	.007	73	.006	10	.011	7	.008
207	4	.001	8123	.008	654	.007	587	.007	3	.002	0	.0	0	.0	54	.004	68	.006	7	.008	4	.005
208	4	.001	2051	.002	365	.004	328	.004	0	.0	0	.0	0	.0	29	.002	37	.003	1	.001	2	.002
209	4	.001	6526	.007	868	.009	776	.010	0	.0	0	.0	0	.0	120	.010	93	.008	4	.004	7	.008
210	4	.001	20242	.020	671	.007	600	.007	2	.001	0	.0	0	.0	176	.014	70	.006	16	.018	9	.010
211	4	.001	15733	.015	891	.010	797	.010	7	.004	0	.0	0	.0	146	.012	93	.008	12	.013	8	.009
212	4	.001	15341	.015	744	.008	661	.008	0	.0	0	.0	0	.0	309	.025	83	.007	12	.013	19	.022
213	4	.001	18232	.018	862	.009	766	.010	0	.0	0	.0	0	.0	105	.009	95	.008	15	.017	7	.008
214	4	.001	13785	.013	1031	.011	916	.011	0	.0	0	.0	0	.0	269	.022	114	.009	11	.012	17	.019
215	4	.001	15299	.015	994	.011	882	.011	0	.0	0	.0	0	.0	155	.013	110	.009	12	.013	11	.012
216	1	.000	6641	.006	515	.006	458	.006	0	.0	0	.0	0	.0	67	.006	58	.005	5	.006	4	.005
217	1	.000	3771	.004	198	.002	176	.002	0	.0	0	.0	0	.0	9	.001	22	.002	2	.002	0	.0
218	1	.000	1598	.002	214	.002	191	.002	0	.0	0	.0	0	.0	7	.001	23	.002	2	.002	0	.0
219	1	.000	2011	.002	280	.003	249	.003	0	.0	0	.0	0	.0	15	.001	32	.003	2	.002	1	.001
220	1	.000	3576	.003	246	.003	219	.003	0	.0	0	.0	0	.0	26	.002	27	.002	3	.003	1	.001
221	1	.000	5531	.005	458	.005	407	.005	0	.0	0	.0	0	.0	98	.008	51	.004	5	.006	6	.007
222	1	.000	4791	.005	377	.004	335	.004	0	.0	0	.0	0	.0	43	.004	43	.004	3	.003	3	.003
223	1	.000	5847	.006	417	.005	370	.005	0	.0	0	.0	0	.0	44	.004	46	.004	5	.006	2	.002
224	1	.000	4951	.005	105	.001	90	.001	0	.0	0	.0	0	.0	15	.001	15	.001	4	.004	1	.001
225	1	.000	3445	.003	205	.002	182	.002	0	.0	0	.0	0	.0	39	.003	23	.002	3	.003	3	.003
226	1	.000	5383	.005	387	.004	340	.004	0	.0	0	.0	0	.0	108	.009	46	.004	5	.006	7	.008

SUB-COUNTY NO.	AREA		POPULATION		VOT		LOV		AG EMP				CONTR EMP LOV		2 C S		5 C B #1		5 C B #2	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
227	1	.000	3657	.003	471	.005	419	.005	0	.0	0	.0	0	.0	8	.001	52	.004	3	.003	1	.001	1	.001
228	1	.000	4300	.004	511	.006	454	.006	0	.0	0	.0	0	.0	15	.001	57	.005	3	.003	0	.0	0	.0
229	1	.000	4049	.004	252	.003	224	.003	0	.0	0	.0	0	.0	17	.001	29	.002	4	.004	1	.001	1	.001
230	1	.000	7463	.007	129	.001	114	.001	0	.0	0	.0	0	.0	31	.003	14	.001	5	.006	2	.002	2	.002
231	1	.000	8092	.008	330	.004	292	.004	0	.0	0	.0	0	.0	71	.006	37	.003	7	.008	5	.006	5	.006
232	1	.000	9143	.009	354	.004	311	.004	0	.0	0	.0	0	.0	59	.005	40	.003	8	.009	3	.003	3	.003
233	1	.000	8640	.008	129	.001	114	.001	0	.0	0	.0	0	.0	36	.003	15	.001	7	.008	3	.003	3	.003
234	1	.000	3001	.003	117	.001	104	.001	0	.0	0	.0	0	.0	15	.001	14	.001	2	.002	1	.001	1	.001
235	1	.000	8238	.008	220	.002	195	.002	0	.0	0	.0	0	.0	16	.001	26	.002	7	.008	2	.002	2	.002
236	1	.000	6071	.006	229	.002	199	.002	0	.0	0	.0	0	.0	52	.004	32	.003	5	.006	3	.003	3	.003
237	1	.000	5122	.005	287	.003	242	.003	0	.0	0	.0	0	.0	100	.008	44	.004	5	.006	6	.007	6	.007
238	1	.000	6021	.006	113	.001	95	.001	0	.0	0	.0	0	.0	208	.017	18	.001	5	.006	13	.015	13	.015
239	1	.000	5013	.005	118	.001	100	.001	0	.0	0	.0	0	.0	8	.001	19	.002	4	.004	1	.001	1	.001
240	1	.000	3610	.003	230	.002	194	.002	0	.0	0	.0	0	.0	43	.004	36	.003	3	.003	3	.003	3	.003
241	1	.000	7170	.007	133	.001	112	.001	0	.0	0	.0	0	.0	58	.005	21	.002	6	.007	4	.005	4	.005
242	1	.000	7216	.007	410	.004	346	.004	0	.0	0	.0	0	.0	69	.006	64	.005	6	.007	4	.005	4	.005
243	1	.000	5609	.005	267	.003	229	.003	0	.0	0	.0	0	.0	30	.002	38	.003	5	.006	1	.001	1	.001
244	1	.000	5039	.005	121	.001	105	.001	0	.0	0	.0	0	.0	23	.002	15	.001	4	.004	1	.001	1	.001
245	1	.000	5401	.005	182	.002	160	.002	0	.0	0	.0	0	.0	36	.003	23	.002	4	.004	2	.002	2	.002
246	1	.000	5554	.005	169	.002	146	.002	0	.0	0	.0	0	.0	72	.006	22	.002	9	.010	5	.006	5	.006
247	1	.000	8876	.009	833	.009	725	.009	0	.0	0	.0	0	.0	31	.003	108	.009	7	.008	2	.002	2	.002
248	1	.000	7208	.007	514	.006	448	.006	0	.0	0	.0	0	.0	25	.002	66	.005	6	.007	1	.001	1	.001
249	1	.000	7058	.007	240	.003	209	.003	0	.0	0	.0	0	.0	275	.023	30	.002	7	.008	16	.018	16	.018
250	1	.000	3019	.003	234	.003	204	.003	0	.0	0	.0	0	.0	86	.007	29	.002	2	.002	5	.006	5	.006
251	1	.000	6195	.006	353	.004	305	.004	0	.0	0	.0	0	.0	58	.005	46	.004	4	.004	3	.003	3	.003

SUB-COUNTY NO.	AREA		POPULATN		YMI		LOV		AG EMP				CONTR EMP		HOV		2 6 5		2 6 8 #1		5 6 8 #2	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
252	1	.000	9026	.009	260	.003	219	.003	0	.0	0	.0	0	.0	40	.003	41	.003	7	.008	2	.002	2	.002
253	1	.000	6226	.006	158	.002	133	.002	0	.0	0	.0	0	.0	40	.003	25	.002	5	.006	2	.002	2	.002
254	1	.000	7585	.007	172	.002	145	.002	0	.0	0	.0	0	.0	80	.007	28	.002	6	.007	4	.005	4	.005
255	1	.000	3856	.004	126	.001	106	.001	0	.0	0	.0	0	.0	60	.005	20	.002	4	.004	4	.005	4	.005
256	1	.000	3585	.004	137	.001	113	.001	0	.0	0	.0	0	.0	52	.004	22	.002	3	.003	2	.002	2	.002
257	1	.000	4647	.004	181	.002	152	.002	0	.0	0	.0	0	.0	60	.005	30	.002	3	.003	3	.003	3	.003
258	1	.000	3714	.004	97	.001	80	.001	0	.0	0	.0	0	.0	44	.004	16	.001	2	.002	3	.003	3	.003
259	1	.000	4867	.005	108	.001	88	.001	0	.0	0	.0	0	.0	28	.002	19	.002	4	.004	1	.001	1	.001
260	1	.000	8523	.008	154	.002	125	.002	0	.0	0	.0	0	.0	20	.002	29	.002	8	.009	1	.001	1	.001
261	1	.000	2658	.003	334	.004	288	.004	0	.0	0	.0	0	.0	271	.022	44	.004	2	.002	16	.018	16	.018
262	1	.000	3880	.004	713	.008	623	.008	0	.0	0	.0	0	.0	148	.012	91	.008	3	.003	7	.008	7	.008
263	1	.000	1089	.001	206	.002	182	.002	0	.0	0	.0	0	.0	333	.027	25	.002	1	.001	21	.024	21	.024
264	1	.000	1934	.002	394	.004	334	.004	0	.0	0	.0	0	.0	135	.011	60	.005	1	.001	8	.009	8	.009
265	1	.000	3586	.004	339	.004	265	.003	0	.0	0	.0	0	.0	29	.002	74	.006	4	.004	2	.002	2	.002
266	1	.000	5201	.005	225	.002	184	.002	0	.0	0	.0	0	.0	39	.003	41	.003	5	.006	3	.003	3	.003
267	1	.000	4178	.004	244	.003	206	.003	0	.0	0	.0	0	.0	51	.004	40	.003	4	.004	3	.003	3	.003
268	1	.000	1296	.001	241	.003	201	.003	0	.0	0	.0	0	.0	26	.002	40	.003	1	.001	2	.002	2	.002
269	1	.000	2163	.002	268	.003	223	.003	0	.0	0	.0	0	.0	48	.004	45	.004	2	.002	3	.003	3	.003
270	1	.000	2781	.003	119	.001	98	.001	0	.0	0	.0	0	.0	10	.001	20	.002	2	.002	0	.0	0	.0
271	1	.000	3103	.003	193	.002	165	.002	0	.0	0	.0	0	.0	26	.002	27	.002	2	.002	1	.001	1	.001
272	1	.000	1121	.001	226	.002	187	.002	0	.0	0	.0	0	.0	27	.002	38	.003	0	.0	2	.002	2	.002
273	1	.000	1363	.001	253	.003	189	.002	0	.0	0	.0	0	.0	33	.003	43	.004	0	.0	1	.001	1	.001
274	1	.000	1469	.001	167	.002	131	.002	0	.0	0	.0	0	.0	22	.002	37	.003	1	.001	1	.001	1	.001
275	1	.000	2298	.002	94	.001	73	.001	0	.0	0	.0	0	.0	27	.002	21	.002	2	.002	2	.002	2	.002
276	1	.000	866	.001	21	.000	16	.000	0	.0	0	.0	0	.0	14	.001	5	.000	1	.001	1	.001	1	.001

SUB-COUNTY NO.	AREA		POPULATN		VET		LOV		AG EXP				CONTR EXP		HOV		2 & 5		5 & 8 #1		5 & 8 #2	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
277	1	.000	1385	.001	33	.000	26	.000	0	.0	0	.0	0	.0	22	.002	7	.001	1	.001	1	.001
278	1	.000	804	.001	77	.001	64	.001	0	.0	0	.0	0	.0	18	.001	13	.001	0	.0	1	.001
279	1	.000	2677	.003	126	.001	107	.001	0	.0	0	.0	0	.0	41	.003	19	.002	2	.002	2	.002
280	1	.000	3013	.003	291	.003	262	.003	0	.0	0	.0	0	.0	65	.005	29	.002	2	.002	4	.005
281	1	.000	2885	.003	248	.003	223	.003	0	.0	0	.0	0	.0	44	.004	25	.002	2	.002	2	.002
282	1	.000	3698	.004	192	.002	173	.002	0	.0	0	.0	0	.0	15	.001	19	.002	2	.002	1	.001
283	1	.000	4821	.005	81	.001	73	.001	0	.0	0	.0	0	.0	14	.001	8	.001	4	.004	1	.001
284	1	.000	3139	.003	76	.001	64	.001	0	.0	0	.0	0	.0	51	.004	11	.001	3	.003	3	.003
285	4	.001	452	.000	873	.009	743	.009	0	.0	0	.0	0	.0	17	.001	130	.011	0	.0	1	.001
286	1	.000	2047	.002	48	.001	41	.001	0	.0	0	.0	0	.0	38	.003	7	.001	1	.001	3	.003
287	1	.000	7839	.009	140	.002	127	.002	0	.0	0	.0	0	.0	11	.001	14	.001	7	.008	1	.001
288	1	.000	5528	.005	211	.002	190	.002	0	.0	0	.0	0	.0	14	.001	21	.002	4	.004	1	.001
289	1	.000	3471	.003	103	.001	95	.001	0	.0	0	.0	0	.0	4	.000	9	.001	3	.003	0	.0
290	1	.000	3781	.004	119	.001	109	.001	0	.0	0	.0	0	.0	5	.000	10	.001	3	.002	0	.0
291	1	.000	863	.001	21	.000	18	.000	0	.0	0	.0	0	.0	17	.001	3	.000	1	.001	1	.001
292	1	.000	1260	.001	374	.004	345	.004	0	.0	0	.0	0	.0	2	.000	29	.002	1	.001	0	.0
293	1	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	5	.000	0	.0	0	.0	0	.0
294	1	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	7	.001	0	.0	0	.0	1	.001
295	1	.000	1762	.002	127	.001	117	.001	0	.0	0	.0	0	.0	6	.000	10	.001	2	.002	0	.0
296	1	.000	3132	.003	32	.000	29	.000	0	.0	0	.0	0	.0	12	.001	3	.000	2	.002	0	.0
297	1	.000	1487	.001	101	.001	92	.001	0	.0	0	.0	0	.0	2	.000	7	.001	1	.001	0	.0
298	1	.000	2169	.002	107	.001	99	.001	0	.0	0	.0	0	.0	6	.000	8	.001	2	.002	0	.0
299	1	.000	218	.000	110	.001	99	.001	0	.0	0	.0	0	.0	0	.0	10	.001	0	.0	0	.0
300	1	.000	291	.000	112	.001	101	.001	0	.0	0	.0	0	.0	2	.000	10	.001	0	.0	0	.0
301	4	.001	5194	.005	894	.010	807	.010	0	.0	0	.0	0	.0	17	.001	87	.007	4	.004	1	.001

SUB-COUNTY ALLOCATIONS

SUB-COUNTY NO.	AREA		POPULATN		YMI		LOV		AG EMP				CONTR EMP		HOV		2 6 5		5 6 8 #1		5 6 8 #2	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
302	4	.001	3704	.004	286	.003	259	.003	0	.0	0	.0	0	.0	7	.001	27	.002	2	.002	0	.0	0	.0
303	1	.000	2644	.003	25	.000	23	.000	0	.0	0	.0	0	.0	6	.000	2	.000	2	.002	0	.0	0	.0
304	1	.000	2523	.002	119	.001	106	.001	0	.0	0	.0	0	.0	6	.000	14	.001	2	.002	0	.0	0	.0
305	4	.001	3552	.003	449	.005	403	.005	0	.0	0	.0	0	.0	32	.003	46	.004	3	.003	3	.003	3	.003
316	100	.034	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
IDEAL	2914		1033348		92192		80178		1608		0		0		12171		12023		898		880		880	

***EXECUTION TERMINATING NORMALLY. 230 SUB-COUNTY AREAS PROCESSED.

SUB-COUNTY NO.	EQBESI E		BCCK_USS		AGZSL BN		MIL_LIO		CIV_LIO		COMM_LIQ		UNPVD_ROI		DIESL_VSI		BESID_VSI		GAS_VESL		BL_LOCO		DIST_AZS	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
61	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
62	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	7	.001	0	.0	0	.0	0	.0	5	.000	0	.0
63	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	37	.004	979	.058	1854	.065	0	.0	0	.0	0	.0
64	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	91	.007	0	.0
69	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	9	.001	5	.000	0	.0	5	.000	0	.0
70	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	17	.002	1391	.083	2635	.092	0	.0	0	.0	0	.0
71	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	36	.004	0	.0	0	.0	0	.0	0	.0	0	.0
72	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
73	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	41	.136	144	.011	0	.0
74	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	10	.001	22	.001	13	.000	0	.0	0	.0	0	.0
75	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	48	.005	0	.0	0	.0	0	.0	76	.006	0	.0
76	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	22	.002	0	.0	0	.0	0	.0	0	.0	0	.0
77	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
78	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
79	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
80	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
81	1761	.058	0	.0	0	.0	0	.0	92	.012	0	.0	230	.023	0	.0	0	.0	0	.0	0	.0	915	.104
82	1565	.052	0	.0	0	.0	0	.0	390	.051	0	.0	208	.021	0	.0	0	.0	0	.0	0	.0	0	.0
83	1219	.040	65	.428	0	.0	0	.0	0	.0	0	.0	31	.003	0	.0	0	.0	0	.0	502	.040	0	.0
84	1544	.051	0	.0	0	.0	0	.0	0	.0	0	.0	79	.008	0	.0	0	.0	0	.0	0	.0	0	.0
85	374	.012	2	.013	0	.0	0	.0	0	.0	0	.0	46	.005	0	.0	0	.0	0	.0	127	.010	0	.0
86	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0
87	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
88	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
89	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	RESIDENTIAL ALLOC #	RESIDENTIAL ALLOC PROP	RCCK-UGS ALLOC #	RCCK-UGS ALLOC PROP	AGRSL-UN ALLOC #	AGRSL-UN ALLOC PROP	MIL-LTO ALLOC #	MIL-LTO ALLOC PROP	CIV-LTO ALLOC #	CIV-LTO ALLOC PROP	COMM-LTO ALLOC #	COMM-LTO ALLOC PROP	UNRVD-ROT ALLOC #	UNRVD-ROT ALLOC PROP	DIESL-VSL ALLOC #	DIESL-VSL ALLOC PROP	RESID-VSL ALLOC #	RESID-VSL ALLOC PROP	GAS-VESL ALLOC #	GAS-VESL ALLOC PROP	RL-LOCO ALLOC #	RL-LOCO ALLOC PROP	DIST-AZSL ALLOC #	DIST-AZSL ALLOC PROP
90	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
91	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
92	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
93	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
94	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	3	.000	0	.0	0	.0	0	.0	0	.0	0	.0
95	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
96	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
97	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
98	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
99	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
100	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
101	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
102	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	24	.002	0	.0	0	.0	0	.0	5	.000	0	.0
103	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
104	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
105	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	41	.004	0	.0	0	.0	0	.0	0	.0	0	.0
106	0	.0	0	.0	0	.0	1654	****	2841	.368	4226	****	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
107	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
108	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	10	.001	0	.0	0	.0	0	.0	0	.0	0	.0
109	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	42	.004	0	.0	0	.0	0	.0	0	.0	0	.0
110	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
111	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
112	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
113	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
114	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	FOREST E ALLOC #	FOREST E PROP	BECK HES ALLOC #	BECK HES PROP	AGZSL UN ALLOC #	AGZSL UN PROP	MIL LIQ ALLOC #	MIL LIQ PROP	CLV LIQ ALLOC #	CLV LIQ PROP	COMM LIQL ALLOC #	COMM LIQL PROP	UNRVD POL ALLOC #	UNRVD POL PROP	DIESL VSL ALLOC #	DIESL VSL PROP	RESID VSL ALLOC #	RESID VSL PROP	GAS VESL ALLOC #	GAS VESL PROP	BL LOCO ALLOC #	BL LOCO PROP	OTHR AZSL ALLOC #	OTHR AZSL PROP
115	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	150	.012	0	.0
116	0	.0	0	.0	0	.0	0	.0	52	.007	0	.0	7	.001	0	.0	0	.0	0	.0	150	.012	0	.0
117	0	.0	10	.066	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
118	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	64	.005	0	.0
119	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	29	.003	0	.0	0	.0	0	.0	1606	.127	0	.0
120	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
121	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	843	.067	0	.0
122	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
123	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
124	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
125	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
126	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	56	.006	0	.0	0	.0	0	.0	0	.0	0	.0
127	0	.0	0	.0	0	.0	0	.0	1430	.185	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
128	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	7	.001	0	.0
129	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	35	.003	0	.0
130	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.001	0	.0
131	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
132	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
133	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
134	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
135	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	20	.002	0	.0
136	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	30	.002	0	.0
137	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	5	.000	0	.0	0	.0	0	.0	0	.0	0	.0
138	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	37	.003	0	.0
139	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	9	.001	0	.0	0	.0	0	.0	45	.004	0	.0

SUB-COUNTY NO.	FOREST E	BECK RES	AGZSL ON	HIL LIQ	CIV LIQ	COMM LIQ	UNRYD RD	DIESL VS	RESID VS	GAS VESL	RL LOCO	DIST AZS
	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP	# ALLOC PROP
140	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	4 .000	0 .0	0 .0	0 .0	45 .004	0 .0
141	0 .0	7 .046	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	45 .004	0 .0
142	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	1 .000	0 .0	0 .0	0 .0	39 .003	0 .0
143	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	13 .001	0 .0
144	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	1 .000	0 .0	0 .0	0 .0	0 .0	0 .0
145	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	69 .005	0 .0
146	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0
147	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0
148	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0
149	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0
150	1738 .057	0 .0	0 .0	0 .0	0 .0	0 .0	47 .005	0 .0	0 .0	0 .0	72 .006	0 .0
151	728 .024	0 .0	0 .0	0 .0	0 .0	0 .0	247 .025	0 .0	0 .0	0 .0	20 .002	0 .0
152	662 .022	0 .0	0 .0	0 .0	540 .070	0 .0	0 .0	0 .0	0 .0	0 .0	184 .015	0 .0
153	2063 .068	16 .105	0 .0	0 .0	0 .0	0 .0	15 .001	0 .0	0 .0	0 .0	201 .016	0 .0
154	930 .031	1 .007	0 .0	0 .0	49 .006	0 .0	37 .004	0 .0	0 .0	0 .0	0 .0	491 .056
155	1317 .043	0 .0	0 .0	0 .0	0 .0	0 .0	125 .012	0 .0	0 .0	0 .0	82 .006	0 .0
156	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	90 .007	0 .0
157	823 .027	0 .0	0 .0	0 .0	0 .0	0 .0	113 .011	0 .0	0 .0	0 .0	11 .001	0 .0
158	0 .0	0 .0	0 .0	0 .0	10 .001	0 .0	77 .008	0 .0	0 .0	0 .0	0 .0	104 .012
159	0 .0	6 .039	0 .0	0 .0	550 .071	0 .0	154 .015	0 .0	0 .0	0 .0	0 .0	5500 .627
160	0 .0	1 .007	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	93 .007	0 .0
161	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	203 .020	0 .0	0 .0	0 .0	7 .001	0 .0
162	0 .0	0 .0	0 .0	0 .0	104 .013	0 .0	10 .001	0 .0	0 .0	43 .142	456 .036	0 .0
163	0 .0	0 .0	0 .0	0 .0	0 .0	0 .0	18 .002	0 .0	0 .0	0 .0	29 .002	0 .0
164	0 .0	0 .0	0 .0	0 .0	1000 .130	0 .0	308 .031	0 .0	0 .0	24 .079	540 .043	0 .0

SUB-COUNTY NO.	LUBESL_E ALLOC $	LUBESL_E PROP	BCCR_UGS ALLOC $	BCCR_UGS PROP	AGZSL_BN ALLOC $	AGZSL_BN PROP	BIL_LIO ALLOC $	BIL_LIO PROP	CLV_LIO ALLOC $	CLV_LIO PROP	COMB_LIQ ALLOC $	COMB_LIQ PROP	UNPVO_RO ALLOC $	UNPVO_RO PROP	DIESL_VS ALLOC $	DIESL_VS PROP	BESLO_VS ALLOC $	BESLO_VS PROP	GAS_VESL ALLOC $	GAS_VESL PROP	BL_LOCO ALLOC $	BL_LOCO PROP	DIBL_AZS ALLOC $	DIBL_AZS PROP
174	784	.026	0	.0	0	.0	0	.0	0	.0	0	.0	221	.022	0	.0	0	.0	0	.0	0	.0	0	.0
175	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	83	.008	0	.0	0	.0	0	.0	0	.0	0	.0
176	639	.021	0	.0	0	.0	0	.0	0	.0	0	.0	109	.011	0	.0	0	.0	0	.0	0	.0	0	.0
177	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
178	782	.026	0	.0	0	.0	0	.0	26	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	260	.030
179	440	.014	0	.0	0	.0	0	.0	16	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	164	.019
180	834	.027	0	.0	0	.0	0	.0	0	.0	0	.0	86	.009	0	.0	0	.0	0	.0	0	.0	0	.0
181	1415	.047	8	.053	0	.0	0	.0	21	.003	0	.0	452	.045	0	.0	0	.0	0	.0	165	.013	208	.024
182	870	.029	0	.0	0	.0	0	.0	0	.0	0	.0	625	.062	0	.0	0	.0	0	.0	160	.013	0	.0
183	929	.031	0	.0	0	.0	0	.0	68	.009	0	.0	287	.028	0	.0	0	.0	0	.0	175	.014	684	.078
184	1088	.036	0	.0	0	.0	0	.0	0	.0	0	.0	878	.087	0	.0	0	.0	0	.0	158	.013	0	.0
185	839	.028	0	.0	0	.0	0	.0	0	.0	0	.0	1055	.105	0	.0	0	.0	0	.0	0	.0	0	.0
186	1339	.044	0	.0	0	.0	0	.0	0	.0	0	.0	549	.054	0	.0	0	.0	0	.0	0	.0	0	.0
187	1805	.059	0	.0	0	.0	0	.0	0	.0	0	.0	419	.042	0	.0	0	.0	15	.050	588	.047	0	.0
188	0	.0	0	.0	0	.0	0	.0	442	.057	0	.0	0	.0	0	.0	0	.0	0	.0	300	.024	0	.0
189	0	.0	0	.0	0	.0	0	.0	3	.000	0	.0	270	.027	0	.0	0	.0	34	.113	72	.006	26	.003
190	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	32	.106	0	.0	0	.0
191	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	21	.070	324	.026	0	.0
194	60	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
196	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	80	.008	0	.0	0	.0	0	.0	7	.001	0	.0
197	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	32	.003	0	.0	0	.0	14	.046	132	.010	0	.0
198	1319	.043	21	.138	0	.0	0	.0	26	.003	0	.0	482	.048	0	.0	0	.0	0	.0	0	.0	260	.030
199	597	.020	2	.013	0	.0	0	.0	16	.002	0	.0	1110	.110	0	.0	0	.0	0	.0	0	.0	164	.019
200	1695	.056	1	.007	0	.0	0	.0	0	.0	0	.0	501	.050	0	.0	0	.0	0	.0	133	.011	0	.0
201	117	.004	0	.0	0	.0	0	.0	0	.0	0	.0	267	.026	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	FOREST E		BECK UGS		AGZSL GN		MIL LIQ		CIV LIQ		COMM LIQ		UNPVD RDS		DIESL VSL		RESID VSL		GAS VESL		BL LOCO		DIST AZS	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
202	79	.003	12	.079	0	.0	0	.0	0	.0	0	.0	85	.008	0	.0	0	.0	0	.0	20	.002	0	.0
203	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	20	.002	0	.0	0	.0	0	.0	0	.0	0	.0
204	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	19	.002	0	.0	0	.0	0	.0	25	.002	0	.0
205	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.001	0	.0	0	.0	0	.0	39	.003	0	.0
206	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	17	.002	0	.0	0	.0	0	.0	79	.006	0	.0
207	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
208	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
209	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
210	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
211	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	54	.004	0	.0
212	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	85	.007	0	.0
213	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.001	0	.0
214	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	18	.001	0	.0
215	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.001	9	.000	0	.0	41	.003	0	.0
216	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	1	.000	17	.001	10	.000	0	.0	0	.0	0	.0
217	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
218	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
219	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
220	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
221	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	5	.000	0	.0
222	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	31	.002	0	.0
223	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
224	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
225	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	38	.003	0	.0
226	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	EQRESI_E ALLOC #	EQRESI_E ALLOC PROP	ECCK_HGS ALLOC #	ECCK_HGS ALLOC PROP	AGZSL_GO ALLOC #	AGZSL_GO ALLOC PROP	BIL_LIQ ALLOC #	BIL_LIQ ALLOC PROP	CLY_LIQ ALLOC #	CLY_LIQ ALLOC PROP	COMM_LIQI ALLOC #	COMM_LIQI ALLOC PROP	UNEVD_RDI ALLOC #	UNEVD_RDI ALLOC PROP	DIESL_VSI ALLOC #	DIESL_VSI ALLOC PROP	RESID_VSI ALLOC #	RESID_VSI ALLOC PROP	GAS_VESL ALLOC #	GAS_VESL ALLOC PROP	RL_LOCO ALLOC #	RL_LOCO ALLOC PROP	DIRT_AZSI ALLOC #	DIRT_AZSI ALLOC PROP
227	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
228	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
229	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
230	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
231	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	12	.001	70	.002	0	.0	0	.0	0	.0
232	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	12	.001	70	.002	0	.0	0	.0	0	.0
233	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
234	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
235	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
236	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
237	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	23	.002	0	.0
238	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.001	0	.0
239	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	35	.003	0	.0
240	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	1	.000	0	.0	0	.0	0	.0	8	.001	0	.0
241	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
242	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
243	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
244	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
245	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
246	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	12	.001	7	.000	4	.013	4	.000	0	.0
247	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	12	.001	7	.000	6	.020	6	.000	0	.0
248	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
249	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
250	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
251	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	FOREST E		ROCK VGS		AGRST OP		MIL LTO		CIV LIO		COMB LIO		UNPVD RD		DIESL VS		RESID VS		GAS VESL		AL LOCO		DIST AGST	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
252	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
253	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
254	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	8	.001	0	.0
255	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	1	.000	0	.0	0	.0	0	.0	25	.002	0	.0
256	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.001	0	.0
257	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	8	.001	0	.0
258	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0
259	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
260	0	.0	0	.0	0	.0	0	.0	22	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
261	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
262	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	1	.000	13	.001	8	.000	6	.020	6	.000	0	.0
263	0	.0	0	.0	0	.0	0	.0	22	.003	0	.0	1	.000	130	.008	78	.003	7	.023	25	.002	0	.0
264	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.001	0	.0
265	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	12	.001	0	.0
266	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.001	0	.0
267	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	7	.001	0	.0
268	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	4	.000	0	.0
269	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	11	.001	0	.0
270	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	7	.001	0	.0
271	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	30	.002	0	.0
272	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	12	.001	0	.0
273	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
274	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
275	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	5056	.341	9553	.334	8	.026	822	.065	0	.0
276	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2568	.153	4800	.168	6	.020	657	.052	0	.0

SUB-COUNTY NO.	FOREST E		BCGS HGS		AGZSL BN		BIL LIQ		CIV LIQ		COMB LIQ		UNPVD RDS		DIESL VSL		RESID VSL		GAS VESL		BL LOCO		DIST AZSL	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
277	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	17	.001	10	.000	0	.0	19	.002	0	.0
278	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	17	.001	10	.000	0	.0	26	.002	0	.0
279	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	3	.000	2	.000	0	.0	15	.001	0	.0
280	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
281	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.001	0	.0
282	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
283	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
284	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
285	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	568	.034	794	.028	15	.050	1904	.151	0	.0
286	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	7	.001	0	.0
287	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
288	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
289	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
290	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	11	.001	0	.0
291	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	33	.003	0	.0
292	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	24	.002	0	.0
293	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	3908	.233	7462	.261	6	.020	0	.0	0	.0
294	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	7	.023	0	.0	0	.0
295	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
296	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	48	.004	0	.0
297	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	13	.001	0	.0
298	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
299	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
300	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
301	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	52	.005	0	.0	0	.0	0	.0	0	.0	0	.0

S U B - C O U N T Y A L L O C A T I O N S

SUB-COUNTY NO.	FOREST E ALLOC #	FOREST E ALLOC PROP	ROCK HGS ALLOC #	ROCK HGS ALLOC PROP	AG/SL BN ALLOC #	AG/SL BN ALLOC PROP	MIL LTD ALLOC #	MIL LTD ALLOC PROP	CIV LTD ALLOC #	CIV LTD ALLOC PROP	COMM LTD ALLOC #	COMM LTD ALLOC PROP	UNPVD RD ALLOC #	UNPVD RD ALLOC PROP	DIESL VS ALLOC #	DIESL VS ALLOC PROP	RESID VS ALLOC #	RESID VS ALLOC PROP	GAS VESL ALLOC #	GAS VESL ALLOC PROP	RL LOCO ALLOC #	RL LOCO ALLOC PROP	DIRT A/S ALLOC #	DIRT A/S ALLOC PROP
302	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	29	.002	0	.0
303	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	48	.004	0	.0
304	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	48	.004	0	.0
305	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	13	.043	0	.0	0	.0
316	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2015	.120	1200	.042	0	.0	0	.0	0	.0
TOTAL	30385		152		0		1654		7720		4326		10080		16776		28597		302		12629		8776	

SUB-COUNTY NO.	CZI EMP		PANU EMP													
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
61	5	.000	13	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
62	185	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
63	493	.002	1171	.014	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
64	3	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
69	78	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
70	0	.0	10737	.125	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
71	380	.002	1322	.015	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
72	60	.000	153	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
73	169	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
74	150	.001	225	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
75	1443	.006	816	.010	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
76	362	.002	486	.006	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
77	3	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
78	69	.000	56	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
79	591	.003	15	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
80	1138	.005	57	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
81	201	.001	74	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
82	559	.002	167	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
83	0	.0	501	.006	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
84	953	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
85	88	.000	108	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
86	2540	.011	236	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
87	4581	.020	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
88	209	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
89	402	.002	4	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	CIT EMP #	CIT EMP ALLOC PROP	PAPU EMP #	PAPU EMP ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
90	370	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
91	171	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
92	1507	.007	23	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
93	3187	.014	77	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
94	1244	.005	11	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
95	492	.002	1	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
96	311	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
97	326	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
98	2230	.010	561	.007	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
99	1042	.005	791	.009	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
100	658	.003	68	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
101	2889	.013	11	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
102	2536	.011	46	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
103	1435	.006	92	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
104	1343	.006	90	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
105	1376	.006	999	.012	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
106	1728	.008	3262	.038	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
107	2508	.011	1621	.019	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
108	1345	.006	414	.005	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
109	294	.001	215	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
110	83	.000	410	.005	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
111	83	.000	410	.005	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
112	361	.002	10	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
113	852	.004	42	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
114	3595	.016	504	.006	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	CZI EMP ALLOC #	CZI EMP ALLOC PROP	RADU EMP ALLOC #	RADU EMP ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP
115	2530	.011	1641	.021	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
116	1902	.008	907	.011	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
117	167	.001	30	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
118	314	.001	461	.005	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
119	990	.004	43	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
120	503	.002	36	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
121	657	.003	121	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
122	313	.001	169	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
123	133	.001	9	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
124	525	.002	197	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
125	503	.002	2503	.029	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
126	289	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
127	162	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
128	340	.001	91	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
129	356	.002	53	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
130	91	.000	18	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
131	118	.001	93	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
132	223	.001	38	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
133	1046	.005	152	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
134	807	.004	40	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
135	738	.003	61	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
136	316	.001	21	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
137	177	.001	15	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
138	227	.001	38	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
139	189	.001	94	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	6211 EMP #	6211 EMP ALLOC PROP	6800 EMP #	6800 EMP ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
140	173	.001	106	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
141	20	.000	20	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
142	725	.003	362	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
143	567	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
144	241	.001	206	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
145	994	.004	783	.009	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
146	229	.001	1	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
147	139	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
148	108	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
149	134	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
150	385	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
151	145	.001	7	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
152	581	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
153	0	.0	212	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
154	121	.001	4	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
155	151	.001	16	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
156	2351	.010	2682	.031	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
157	15	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
158	178	.001	9	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
159	2329	.010	55	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
160	1311	.006	170	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
161	1000	.004	140	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
162	1466	.006	1267	.015	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
163	95	.000	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
164	156	.001	42	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	GOVT EMP #	GOVT EMP ALLOC PROP	MANU EMP #	MANU EMP ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP
174	309	.001	18	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
175	1213	.005	120	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
176	186	.001	10	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
177	2156	.010	179	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
178	35	.000	3	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
179	38	.000	1	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
180	64	.000	17	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
181	232	.001	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
182	328	.001	237	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
183	72	.000	65	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
184	501	.002	4	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
185	37	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
186	255	.001	86	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
187	707	.003	113	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
188	57	.000	11	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
189	129	.001	12	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
190	52	.000	6	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
191	13	.000	4	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
194	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
196	489	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
197	461	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
198	0	.0	25	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
199	19	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
200	1518	.007	223	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
201	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	C/I EMP #	C/I EMP ALLOC PROP	FARM EMP #	FARM EMP ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
202	30	.000	28	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
203	824	.004	654	.008	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
204	1341	.006	125	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
205	732	.003	204	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
206	1888	.008	131	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
207	1878	.008	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
208	844	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
209	1983	.009	226	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
210	4424	.019	601	.007	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
211	1772	.008	133	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
212	1927	.008	207	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
213	3275	.014	298	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
214	4328	.019	950	.011	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
215	2319	.010	2339	.027	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
216	1521	.007	299	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
217	2924	.013	139	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
218	0	.0	21	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
219	0	.0	265	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
220	2342	.010	227	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
221	0	.0	574	.007	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
222	795	.003	119	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
223	659	.003	151	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
224	344	.002	60	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
225	891	.004	36	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
226	1514	.007	252	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	GOVT EMP		MANU EMP													
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
227	726	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
228	1538	.007	60	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
229	2545	.011	11	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
230	1096	.005	3	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
231	1057	.005	1210	.014	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
232	1223	.005	714	.008	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
233	1266	.006	34	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
234	314	.001	43	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
235	1660	.007	268	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
236	1212	.005	636	.007	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
237	560	.002	1141	.013	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
238	771	.003	3003	.035	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
239	388	.002	71	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
240	793	.003	70	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
241	660	.003	342	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
242	821	.004	182	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
243	275	.001	339	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
244	3470	.015	132	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
245	3637	.016	411	.005	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
246	3560	.016	386	.005	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
247	1145	.005	221	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
248	866	.004	121	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
249	3529	.015	1344	.016	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
250	2277	.010	3034	.035	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
251	3298	.014	1332	.016	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY ALLOCATIONS

SUB-COUNTY NO.	CZI EMP		PABU EMP													
	ALLOC #	PROP	ALLOC #	PROP	ALLOC #	PROP	ALLOC #	PROP	ALLOC #	PROP	ALLOC #	PROP	ALLOC #	PROP	ALLOC #	PROP	ALLOC #	PROP
252	1156	.005	133	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
253	1065	.005	143	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
254	924	.004	336	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
255	658	.003	259	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
256	1713	.008	172	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
257	2004	.009	362	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
258	1872	.008	197	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
259	1720	.008	196	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
260	2262	.010	594	.007	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
261	10744	.047	1004	.012	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
262	17657	.077	1273	.015	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
263	1327	.006	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
264	2847	.012	360	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
265	1116	.005	193	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
266	1185	.005	682	.008	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
267	1378	.006	670	.008	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
268	832	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
269	418	.002	155	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
270	259	.001	880	.010	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
271	392	.002	864	.010	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
272	858	.004	482	.006	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
273	633	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
274	392	.002	590	.007	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
275	1315	.006	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
276	201	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	CZI EMP #	CZI EMP ALLOC PROP	PANU EMP #	PANU EMP ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP	ALLOC #	ALLOC PROP
277	322	.001	460	.005	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
278	346	.002	1792	.021	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
279	729	.003	875	.010	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
280	456	.002	25	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
281	329	.001	15	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
282	564	.002	1	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
283	304	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
284	677	.003	297	.003	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
285	343	.002	1635	.019	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
286	288	.001	173	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
287	1453	.006	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
288	617	.003	1	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
289	289	.001	5	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
290	337	.001	7	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
291	95	.000	103	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
292	245	.001	75	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
293	208	.001	1712	.020	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
294	304	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
295	93	.000	39	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
296	572	.003	69	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
297	728	.003	3	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
298	330	.001	9	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
299	57	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
300	124	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
301	199	.001	105	.001	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	CIVILIAN ALLOC $	CIVILIAN PROP	NAVY ALLOC $	NAVY PROP	ALLOC $	PROP	ALLOC $	PROP	ALLOC $	PROP	ALLOC $	PROP	ALLOC $	PROP	ALLOC $	PROP	ALLOC $	PROP	ALLOC $	PROP
302	1424	.006	155	.002	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
303	540	.002	35	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
304	403	.002	40	.000	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
305	787	.003	5319	.362	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
316	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
TOTAL	228139		85621		0		0		0		0		0		0		0		0	

ALLOCATION PROGRAM FOR SUB-COUNTY AREAS

ENGINEERING-SCIENCE, INC.
MCLEAN, VA

NIAGARA COUNTY ALLOCATIONS

YEAR OF RECORD ON ALLOCATION FORM: 75
YEAR OF RECORD ON NEDS AREA FORM: 75

DESCRIPTION OF ALLOCATION CODES

ALLOC. CODE	ABBREVIATED DESCRIPTION	FULL DESCRIPTION OF CODE
1	AREA	AREA IN SQUARE KILOMETERS
2	POPULATN	POPULATION
3	VMT	TOTAL VMT
4	LDV	LIGHT DUTY VEHICLES VMT
5	AG EMP	AGRICULTURAL EMPLOYEES
6	C/I EMP	COMMERCIAL/INSTITUTIONAL EMPLOYEES
7	MANU EMP	MANUFACTURING EMPLOYEES
8	CONTR EM	CONSTRUCTION EMPLOYEES
9	HDV	HEAVY DUTY VEHICLES VMT
A	2 & 5	COMBINATION OF POPULATION & AGRICULTURAL EMPLOYEES
B	5 & 8 #1	COMBINATION OF AGRICULTURAL EMPLOYEES & CONSTRUCTION
C	5 & 8 #2	COMBINATION OF AGRICULTURAL EMPLOYEES & CONSTRUCTION
X	FOREST F	FOREST FIRE FACTOR
Y	ROCK H&S	ROCK HANDLING AND STORAGE FACTOR
Z	AG/SL BN	AGRICULTURAL/SLASH BURNING FACTOR
D	MIL LTO	MILITARY LTO
E	CIV LTO	CIVILIAN LTO
F	COMM LTO	COMMERCIAL LTO
G	UNPVD RD	UNPAVED ROADS
H	DIESL VS	DIESEL VESSELS
I	RESID VS	RESIDUAL OIL VESSELS
J	GAS VESL	GAS VESSELS
K	RL LOCO	RAIL LOCOMOTIVES
L	DIRT A/S	DIRT AIRSTRIPS

SELECTED BASIS OF ALLOCATION FOR EACH AREA SOURCE CATEGORY *

EM EST	RSDNTL FUEL	C/I FUEL	INDUST FUEL	O-S INC	CPN BKN	GSL	DSL	AIR	VESL	EV	VMT	MISC	OTHER
		666666	77777777			49A	98K	DEF	HIJ			GLCV	XZ 2

* SEQUENCE OF CATEGORIES WITHIN EACH DIVISION DEFINED ON NEDS AREA SOURCE CODING FORM.

SUB-COUNTY NO.	AREA		POPULATN		VMT		LUV		AG EMP		C/I EMP		MANU EMP		CONTR EMP		HUV		2 & 5		5 & 8 #11		5 & 8 #21	
	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP	#	ALLOC PROP
1	100	.065	2411	.010	173	.010	135	.009	80	.061	173	.004	90	.003	5	.002	39	.016	28	.028	35	.034	35	.034
2	100	.065	3211	.014	251	.014	214	.014	79	.061	2551	.058	2177	.075	11	.003	38	.016	31	.031	37	.036	37	.036
3	25	.016	3140	.013	254	.014	220	.014	60	.046	4808	.109	4206	.144	6	.002	34	.014	26	.026	27	.026	27	.027
4	25	.016	950	.004	96	.005	82	.005	0	.0	43	.001	24	.001	1	.000	15	.006	3	.003	0	.0	0	.0
5	25	.016	892	.004	75	.004	64	.004	0	.0	85	.002	48	.002	1	.000	11	.005	2	.002	0	.0	0	.0
6	100	.065	7107	.030	759	.042	645	.041	73	.056	558	.013	580	.020	182	.055	113	.047	40	.040	58	.057	57	.056
7	100	.065	5472	.023	480	.027	409	.026	143	.110	0	.0	1384	.047	384	.115	71	.030	53	.053	114	.112	115	.113
8	100	.065	4256	.016	451	.025	388	.025	119	.091	282	.006	16	.001	32	.010	63	.026	45	.045	55	.054	55	.054
9	100	.065	5536	.023	560	.031	476	.031	95	.073	1362	.031	735	.025	26	.008	85	.036	41	.041	45	.044	45	.044
10	100	.065	4526	.019	420	.023	329	.021	81	.062	340	.008	0	.0	9	.003	93	.039	34	.034	38	.037	38	.037
11	100	.065	4010	.017	53	.030	419	.027	84	.064	331	.007	975	.033	30	.009	118	.049	35	.035	42	.041	43	.042
12	25	.016	2127	.009	290	.016	244	.016	15	.012	180	.004	162	.006	39	.012	46	.019	9	.009	13	.013	13	.013
13	25	.016	1595	.007	206	.011	174	.011	22	.017	67	.002	80	.003	23	.007	31	.013	11	.011	13	.013	13	.013
14	25	.016	2703	.011	291	.016	250	.016	25	.019	742	.017	1	.000	20	.006	41	.017	15	.015	14	.014	15	.015
15	9	.006	3315	.014	153	.009	130	.008	0	.0	594	.013	182	.006	18	.005	23	.010	9	.009	2	.002	2	.002
16	9	.006	4077	.017	97	.005	84	.005	4	.003	323	.007	414	.014	23	.007	14	.006	12	.012	4	.004	4	.004
17	1	.001	253	.001	24	.001	20	.001	3	.002	52	.001	67	.002	7	.002	3	.001	1	.001	3	.003	3	.003
18	1	.001	780	.003	22	.001	19	.001	0	.0	190	.004	63	.002	2	.001	3	.001	2	.002	0	.0	0	.0
19	0	.0	916	.004	29	.002	25	.002	0	.0	211	.005	205	.007	8	.002	4	.002	2	.002	1	.001	1	.001
20	1	.001	1955	.008	126	.007	108	.007	0	.0	1226	.028	1399	.048	29	.009	18	.008	5	.005	4	.004	4	.004
21	1	.001	3513	.015	170	.009	146	.009	0	.0	1509	.034	1231	.042	26	.008	24	.010	9	.009	3	.003	3	.003
22	1	.001	1753	.007	23	.001	20	.001	0	.0	135	.003	3	.000	3	.001	3	.001	5	.005	0	.0	0	.0
23	1	.001	741	.003	30	.002	26	.002	0	.0	59	.001	1	.000	4	.001	4	.002	2	.002	0	.0	0	.0
24	4	.003	2163	.015	60	.003	51	.003	3	.002	262	.006	6	.000	9	.003	9	.004	9	.009	2	.002	2	.002
25	4	.003	4715	.020	95	.005	81	.005	2	.002	821	.019	234	.008	49	.015	13	.005	13	.013	8	.008	8	.008

SUB-COUNTY NO.	AREA ALLOC #	AREA PROP	POPULATN ALLOC #	POPULATN PROP	VMT ALLOC #	VMT PROP	LOV ALLOC #	LOV PROP	AG EMP ALLOC #	AG EMP PROP	C/I EMP ALLOC #	C/I EMP PROP	MANU EMP ALLOC #	MANU EMP PROP	CONTR EMP ALLOC #	CONTR EMP PROP	HOV ALLOC #	HOV PROP	2 & 3 ALLOC #	2 & 3 PROP	5 & 6 & 11 ALLOC #	5 & 6 & 11 PROP	5 & 6 & 12 ALLOC #	5 & 6 & 12 PROP
26	1	.001	559	.004	31	.002	27	.002	0	.0	153	.001	438	.015	22	.007	4	.002	2	.002	3	.003	3	.003
27	1	.001	759	.003	19	.001	16	.001	1	.001	132	.003	153	.005	11	.003	2	.001	1	.001	2	.002	2	.002
28	100	.065	7664	.032	1045	.058	900	.058	99	.076	1223	.028	0	.0	87	.026	145	.061	51	.051	56	.055	56	.055
29	25	.016	1396	.006	216	.012	184	.012	29	.022	378	.009	7	.000	5	.002	33	.014	13	.013	15	.015	15	.015
30	25	.016	6780	.029	1095	.061	971	.062	93	.071	825	.019	91	.003	84	.025	124	.052	44	.044	52	.051	50	.049
31	25	.016	742	.003	175	.010	148	.009	3	.002	157	.004	7	.000	12	.004	27	.011	4	.004	4	.004	4	.004
32	25	.016	2641	.011	414	.023	370	.024	11	.008	1290	.029	1236	.042	88	.026	45	.019	10	.010	15	.015	15	.015
33	16	.010	1942	.008	204	.011	175	.011	14	.011	439	.010	10	.000	33	.010	31	.013	9	.009	10	.010	10	.010
34	16	.010	3758	.016	729	.041	620	.040	17	.013	309	.007	97	.003	21	.006	109	.046	15	.015	8	.008	8	.008
35	4	.003	1014	.004	66	.004	57	.004	6	.005	107	.002	10	.000	25	.008	10	.004	5	.005	6	.006	6	.006
36	4	.003	1331	.006	73	.004	63	.004	8	.006	195	.004	12	.000	14	.004	11	.005	6	.006	6	.006	6	.006
37	4	.003	1787	.008	103	.006	88	.006	12	.009	386	.009	14	.000	9	.003	15	.006	8	.008	7	.007	7	.007
38	4	.003	2767	.012	231	.013	197	.013	19	.015	440	.010	7	.000	9	.003	34	.014	12	.012	10	.010	10	.010
39	1	.001	1657	.007	55	.003	48	.003	1	.001	125	.003	217	.007	22	.007	7	.003	6	.006	3	.003	3	.003
40	1	.001	2049	.009	89	.005	80	.005	0	.0	128	.003	97	.003	1	.000	9	.004	6	.006	0	.0	0	.0
41	1	.001	2340	.010	23	.001	21	.001	0	.0	65	.001	278	.010	155	.047	2	.001	7	.007	21	.021	21	.021
42	1	.001	1608	.007	107	.006	95	.006	0	.0	183	.004	211	.007	45	.014	11	.005	4	.004	6	.006	6	.006
43	4	.003	1390	.006	229	.013	195	.013	10	.008	667	.015	159	.005	1	.000	34	.014	6	.006	5	.005	5	.005
44	1	.001	2648	.011	29	.002	26	.002	0	.0	132	.003	685	.023	167	.050	3	.001	8	.008	23	.023	23	.023
45	4	.003	2068	.009	471	.026	401	.026	6	.005	428	.010	858	.029	194	.058	71	.030	8	.008	29	.028	28	.028
46	1	.001	1781	.008	46	.003	40	.003	0	.0	164	.004	258	.009	86	.026	5	.002	5	.005	12	.012	12	.012
47	1	.001	551	.004	40	.002	36	.002	0	.0	228	.005	0	.0	70	.021	4	.002	3	.003	10	.010	10	.010
48	4	.003	1889	.008	207	.012	174	.011	11	.008	780	.018	75	.003	59	.018	30	.013	8	.008	13	.013	13	.013
49	4	.003	1687	.008	295	.016	254	.016	10	.008	561	.013	0	.0	54	.016	40	.017	8	.008	12	.012	12	.012
50	1	.001	3056	.013	70	.004	62	.004	0	.0	279	.006	2	.000	45	.014	7	.003	8	.008	6	.006	6	.006

SUB-COUNTY NO.	AREA #	AREA ALLOC PROP	POPULATION #	POPULATION ALLOC PROP	VMT #	VMT ALLOC PROP	LUV #	LUV ALLOC PROP	AG EMP #	AG EMP ALLOC PROP	CZL EMP #	CZL EMP ALLOC PROP	HANU EMP #	HANU EMP ALLOC PROP	CONTR EMP #	CONTR EMP ALLOC PROP	HOV #	HOV ALLOC PROP	2 & 3 #	2 & 3 ALLOC PROP	5 6 8 11 #	5 6 8 11 ALLOC PROP	5 6 8 12 #	5 6 8 12 ALLOC PROP
51	1	.001	570	.002	59	.003	53	.003	0	.0	143	.003	0	.0	16	.005	6	.003	1	.001	2	.002	2	.002
52	4	.003	8433	.036	160	.009	144	.009	3	.002	520	.012	41	.001	72	.022	15	.006	24	.024	11	.011	10	.010
53	4	.003	576	.004	66	.004	62	.004	3	.002	490	.011	2	.000	2	.001	4	.002	3	.003	2	.002	2	.002
54	4	.003	703	.003	53	.003	50	.003	2	.002	256	.006	1	.000	1	.000	4	.002	3	.003	1	.001	1	.001
55	4	.003	714	.003	101	.006	95	.006	0	.0	36	.001	0	.0	2	.001	7	.003	1	.001	0	.0	0	.0
56	4	.003	208	.001	43	.002	41	.003	1	.001	8	.000	7	.000	0	.0	2	.001	1	.001	0	.0	0	.0
57	4	.003	571	.002	67	.004	62	.004	2	.002	33	.001	41	.001	2	.001	4	.002	2	.002	1	.001	1	.001
58	4	.003	1475	.006	105	.006	98	.006	2	.002	92	.002	3	.000	8	.002	8	.003	4	.004	1	.001	1	.001
59	4	.003	2362	.010	148	.008	134	.009	2	.002	387	.009	32	.001	8	.002	15	.006	8	.008	2	.002	2	.002
60	4	.003	454	.002	196	.011	183	.012	2	.002	6	.000	11	.000	0	.0	13	.005	2	.002	1	.001	1	.001
61	4	.003	4305	.018	170	.009	156	.010	1	.001	195	.004	4	.000	11	.003	15	.006	12	.012	2	.002	2	.002
62	0	.0	114	.000	51	.003	47	.003	0	.0	1	.000	3	.000	0	.0	3	.001	0	.0	0	.0	0	.0
64	4	.003	2203	.009	194	.011	173	.011	0	.0	112	.003	190	.007	14	.004	20	.008	5	.005	2	.002	2	.002
65	4	.003	6409	.027	215	.012	190	.012	0	.0	633	.014	272	.009	40	.012	24	.010	17	.017	5	.005	5	.005
66	4	.003	5036	.021	258	.014	231	.015	0	.0	295	.007	0	.0	48	.014	28	.012	13	.013	6	.006	6	.006
67	4	.003	3426	.014	242	.013	216	.014	0	.0	189	.004	109	.004	41	.012	26	.011	10	.010	5	.005	5	.005
68	4	.003	5940	.025	204	.011	181	.012	0	.0	1115	.025	593	.020	40	.012	22	.009	16	.016	5	.005	5	.005
69	0	.0	2795	.012	109	.006	96	.006	0	.0	617	.014	367	.013	24	.007	12	.005	7	.007	2	.002	2	.002
75	4	.003	2123	.009	58	.003	51	.003	0	.0	1490	.034	409	.014	32	.010	7	.003	6	.006	5	.005	5	.005
76	4	.003	2935	.012	63	.004	56	.004	0	.0	72	.002	0	.0	19	.006	7	.003	8	.008	3	.003	3	.003
77	25	.016	1471	.006	236	.013	204	.013	12	.009	144	.003	2	.000	11	.003	32	.013	8	.008	8	.008	8	.008
78	25	.016	1113	.005	95	.005	81	.005	16	.012	14	.000	0	.0	5	.002	14	.006	7	.007	7	.007	7	.007
80	25	.016	471	.002	68	.004	60	.004	1	.001	36	.001	146	.005	9	.003	8	.003	1	.001	1	.001	1	.001
81	0	.0	853	.004	115	.006	98	.006	12	.009	10	.000	0	.0	13	.004	17	.007	5	.005	6	.006	6	.006
82	100	.065	312	.001	26	.001	20	.001	6	.005	0	.0	0	.0	0	.0	6	.003	2	.002	2	.002	2	.002

SUB-COUNTY NO.	AREA #	AREA ALLOC PROP	POPULATION #	POPULATION ALLOC PROP	VMT #	VMT ALLOC PROP	LOV #	LOV ALLOC PROP	AG EMP #	AG EMP ALLOC PROP	CTI EMP #	CTI EMP ALLOC PROP	MANU EMP #	MANU EMP ALLOC PROP	CONTR EMP #	CONTR EMP ALLOC PROP	HOV 2 6 5 #	HOV 2 6 5 ALLOC PROP	HOV 5 6 8 #11 #	HOV 5 6 8 #11 ALLOC PROP	HOV 5 6 8 #21 #	HOV 5 6 8 #21 ALLOC PROP
165	1	.001	3832	.016	65	.004	58	.004	0	.0	298	.007	2	.000	50	.015	7	.003	10	.010	7	.007	7	.007
166	1	.001	3256	.014	131	.007	117	.008	0	.0	1279	.029	51	.002	25	.008	14	.006	9	.009	4	.004	4	.004
167	1	.001	3830	.016	225	.013	201	.013	0	.0	664	.015	188	.006	56	.017	24	.010	10	.010	8	.008	8	.008
168	1	.001	6724	.028	142	.008	127	.008	0	.0	1379	.031	36	.001	59	.018	15	.006	18	.018	8	.008	8	.008
169	1	.001	5919	.025	130	.007	118	.008	0	.0	815	.018	43	.001	37	.011	14	.006	15	.015	5	.005	5	.005
170	1	.001	1361	.006	94	.005	84	.005	0	.0	121	.003	215	.007	10	.003	11	.005	4	.004	1	.001	1	.001
171	1	.001	200	.001	92	.005	83	.005	0	.0	160	.004	577	.020	20	.006	11	.005	0	.0	3	.003	3	.003
172	1	.001	188	.001	96	.005	84	.005	0	.0	194	.004	0	.0	9	.003	11	.005	0	.0	1	.001	1	.001
173	4	.003	7141	.030	628	.035	559	.036	1	.001	1848	.042	130	.004	31	.009	68	.028	19	.019	5	.005	5	.005
192	1	.001	2435	.010	193	.011	172	.011	0	.0	1507	.034	424	.015	72	.022	20	.008	6	.006	10	.013	9	.009
193	1	.001	1748	.007	72	.004	65	.004	0	.0	137	.003	419	.014	13	.004	8	.003	5	.005	1	.001	1	.001
195	4	.003	4740	.020	289	.016	258	.017	0	.0	529	.012	98	.003	18	.005	31	.013	13	.013	2	.002	2	.002
306	1	.001	2986	.013	65	.004	58	.004	0	.0	270	.006	405	.014	20	.006	7	.003	9	.009	3	.003	3	.003
307	1	.001	1894	.008	87	.005	77	.005	0	.0	84	.002	473	.016	19	.006	9	.004	5	.005	2	.002	2	.002
308	1	.001	341	.001	37	.002	33	.002	0	.0	70	.002	0	.0	22	.007	4	.002	1	.001	3	.003	3	.003
309	1	.001	1071	.005	89	.005	79	.005	0	.0	153	.003	239	.008	20	.006	10	.004	3	.003	3	.003	3	.003
310	1	.001	525	.002	72	.004	64	.004	0	.0	690	.016	262	.009	42	.013	7	.003	2	.002	6	.006	5	.005
311	1	.001	1130	.005	114	.006	102	.007	0	.0	171	.004	564	.019	7	.002	12	.005	3	.003	1	.001	1	.001
312	1	.001	0	.0	0	.0	0	.0	0	.0	47	.001	653	.022	1	.000	0	.0	0	.0	0	.0	0	.0
313	1	.001	103	.000	50	.003	45	.003	0	.0	120	.003	2155	.074	79	.024	6	.003	1	.001	11	.011	11	.011
314	1	.001	325	.001	90	.005	80	.005	0	.0	45	.001	678	.023	25	.008	10	.004	1	.001	3	.003	3	.003
315	1	.001	1472	.006	377	.021	337	.022	0	.0	45	.001	160	.005	6	.002	41	.017	4	.004	1	.001	1	.001
TOTAL	1528		237256		17273		15290		1306		44230		29210		3325		2388		1003		1020		1016	

***EXECUTION TERMINATING NORMALLY. 97 SUB-COUNTY AREAS PROCESSED.

SUB-COUNTY ALLOCATIONS

SUB-COUNTY NO.	FOREST E ALLOC #	FOREST E ALLOC PROP	BCCR UGS ALLOC #	BCCR UGS ALLOC PROP	AGZSL BN ALLOC #	AGZSL BN ALLOC PROP	MIL LIQ ALLOC #	MIL LIQ ALLOC PROP	CIV LIQ ALLOC #	CIV LIQ ALLOC PROP	COMM LIQ ALLOC #	COMM LIQ ALLOC PROP	UNPVD RD ALLOC #	UNPVD RD ALLOC PROP	DIESL VS ALLOC #	DIESL VS ALLOC PROP	GESLO VS ALLOC #	GESLO VS ALLOC PROP	GAS VESL ALLOC #	GAS VESL ALLOC PROP	BL LOCO ALLOC #	BL LOCO ALLOC PROP	DIST AZS ALLOC #	DIST AZS ALLOC PROP
1	2288	.108	0	.0	3	.007	0	.0	28	.003	0	.0	698	.159	0	.0	0	.0	64	.193	0	.0	276	.027
2	1076	.051	0	.0	45	.098	0	.0	0	.0	0	.0	219	.050	0	.0	0	.0	61	.184	0	.0	0	.0
3	446	.021	0	.0	46	.100	0	.0	162	.018	0	.0	11	.003	0	.0	0	.0	27	.082	0	.0	1625	.159
4	740	.035	0	.0	20	.044	0	.0	0	.0	0	.0	37	.008	0	.0	0	.0	31	.094	0	.0	0	.0
5	117	.006	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	31	.094	0	.0	0	.0
6	2862	.135	0	.0	46	.100	0	.0	0	.0	0	.0	195	.045	0	.0	0	.0	73	.221	0	.0	0	.0
7	1826	.086	5	.278	51	.111	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	32	.097	0	.0	0	.0
8	1536	.072	0	.0	57	.124	0	.0	83	.009	0	.0	264	.060	0	.0	0	.0	0	.0	0	.0	690	.068
9	1228	.058	0	.0	6	.013	0	.0	0	.0	0	.0	149	.034	0	.0	0	.0	0	.0	26	.011	0	.0
10	1106	.052	0	.0	28	.061	0	.0	1	.000	0	.0	767	.175	0	.0	0	.0	0	.0	130	.054	0	.0
11	1101	.052	0	.0	10	.022	0	.0	1314	.143	0	.0	554	.127	0	.0	0	.0	0	.0	0	.0	138	.014
12	0	.0	0	.0	19	.041	0	.0	0	.0	0	.0	91	.021	0	.0	0	.0	0	.0	32	.013	0	.0
13	0	.0	0	.0	2	.004	0	.0	0	.0	0	.0	211	.048	0	.0	0	.0	0	.0	0	.0	0	.0
14	0	.0	0	.0	0	.0	0	.0	286	.031	0	.0	39	.009	0	.0	0	.0	0	.0	0	.0	0	.0
15	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	26	.011	0	.0
16	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	8	.003	0	.0
17	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
18	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	17	.004	0	.0	0	.0	0	.0	0	.0	0	.0
19	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	12	.005	0	.0
20	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	8	.003	0	.0
21	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	5	.001	0	.0	0	.0	0	.0	0	.0	0	.0
22	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
23	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
24	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
25	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	RESIDENTIAL ALLOC #	RESIDENTIAL ALLOC PROP	BLDG USS ALLOC #	BLDG USS ALLOC PROP	AGZSL UU ALLOC #	AGZSL UU ALLOC PROP	NIL LIU ALLOC #	NIL LIU ALLOC PROP	CIV LIO ALLOC #	CIV LIO ALLOC PROP	COMM LIO ALLOC #	COMM LIO ALLOC PROP	UNEVO BOI ALLOC #	UNEVO BOI ALLOC PROP	DIESL VSL ALLOC #	DIESL VSL ALLOC PROP	RESID VSL ALLOC #	RESID VSL ALLOC PROP	GAS VESL ALLOC #	GAS VESL ALLOC PROP	RL LOCO ALLOC #	RL LOCO ALLOC PROP	DIST AZS ALLOC #	DIST AZS ALLOC PROP
26	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
27	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
28	2876	.136	10	.556	71	.155	0	.0	55	.006	0	.0	250	.057	0	.0	0	.0	0	.0	122	.051	552	.054
29	544	.045	0	.0	22	.048	0	.0	0	.0	0	.0	5	.001	0	.0	0	.0	0	.0	0	.0	0	.0
30	588	.047	0	.0	0	.0	0	.0	0	.0	0	.0	20	.005	0	.0	0	.0	0	.0	62	.026	0	.0
31	567	.027	0	.0	6	.013	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
32	1486	.070	0	.0	0	.0	1950	****	6488	.708	1072	****	48	.011	0	.0	0	.0	0	.0	243	.101	0	.0
33	0	.0	0	.0	11	.024	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
34	0	.0	3	.167	6	.013	0	.0	650	.071	0	.0	85	.019	0	.0	0	.0	0	.0	136	.057	6500	.638
35	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	24	.005	0	.0	0	.0	0	.0	0	.0	0	.0
36	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	66	.015	0	.0	0	.0	12	.036	0	.0	0	.0
37	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	6	.001	0	.0	0	.0	0	.0	0	.0	0	.0
38	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	4	.001	0	.0	0	.0	0	.0	0	.0	0	.0
39	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	31	.007	0	.0	0	.0	0	.0	0	.0	0	.0
40	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	1	.000	0	.0	0	.0	0	.0	0	.0	0	.0
41	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	23	.005	0	.0	0	.0	0	.0	0	.0	0	.0
42	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	10	.002	0	.0	0	.0	0	.0	7	.003	0	.0
43	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	71	.016	0	.0	0	.0	0	.0	0	.0	0	.0
44	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	13	.003	0	.0	0	.0	0	.0	8	.003	0	.0
45	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	51	.012	0	.0	0	.0	0	.0	0	.0	0	.0
46	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	30	.007	0	.0	0	.0	0	.0	343	.141	0	.0
47	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	4	.001	0	.0	0	.0	0	.0	337	.140	0	.0
48	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
49	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	12	.003	0	.0	0	.0	0	.0	693	.288	0	.0
50	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	4	.001	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	FOREST_E #	FOREST_E ALLOC PROP	BOOK_USS #	BOOK_USS ALLOC PROP	AG/SL_UV #	AG/SL_UV ALLOC PROP	MIL_LIO #	MIL_LIO ALLOC PROP	CIV_LIO #	CIV_LIO ALLOC PROP	COMM_LIO #	COMM_LIO ALLOC PROP	UNREVD_BOI #	UNREVD_BOI ALLOC PROP	DIESL_VSL #	DIESL_VSL ALLOC PROP	RESID_VSL #	RESID_VSL ALLOC PROP	GAS_VESL #	GAS_VESL ALLOC PROP	BL_LOCO #	BL_LOCO ALLOC PROP	DIST_AZS #	DIST_AZS ALLOC PROP
51	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
52	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	19	.004	0	.0	0	.0	0	.0	0	.0	0	.0
53	0	.0	0	.0	4	.009	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	64	.027	0	.0
54	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
55	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
56	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
57	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
58	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
59	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
60	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	68	.028	0	.0
61	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	44	.010	0	.0	0	.0	0	.0	0	.0	0	.0
62	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
64	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
65	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0
66	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
67	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
68	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	1	.000	0	.0	0	.0	0	.0	64	.027	0	.0
69	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
75	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	70	.008	0	.0
76	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
77	0	.0	0	.0	0	.0	0	.0	41	.004	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	414	.041
78	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	16	.004	0	.0	0	.0	0	.0	0	.0	0	.0
80	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
81	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
82	0	.0	0	.0	6	.013	0	.0	0	.0	0	.0	144	.033	0	.0	0	.0	0	.0	0	.0	0	.0

SUB-COUNTY NO.	FORESTRY ALLOC $	FORESTRY PROP	ROCK QRS ALLOC $	ROCK QRS PROP	AGRSLDN ALLOC $	AGRSLDN PROP	HIL LIQ ALLOC $	HIL LIQ PROP	CLY LIQ ALLOC $	CLY LIQ PROP	COMM LIQ ALLOC $	COMM LIQ PROP	WDYD POL ALLOC $	WDYD POL PROP	DIESL VSL ALLOC $	DIESL VSL PROP	GESLN VSL ALLOC $	GESLN VSL PROP	GAS VESL ALLOC $	GAS VESL PROP	HL LOGG ALLOC $	HL LOGG PROP	UTBT A/CS ALLOC $	UTBT A/CS PROP
165	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
166	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0
167	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0
168	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
169	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	1	.000	0	.0	0	.0	0	.0	0	.0	0	.0
170	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
171	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0
172	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
173	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	12	.003	0	.0	0	.0	0	.0	0	.0	0	.0
192	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	9	.002	0	.0	0	.0	0	.0	0	.0	0	.0
193	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	5	.001	0	.0	0	.0	0	.0	0	.0	0	.0
195	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	9	.002	0	.0	0	.0	0	.0	0	.0	0	.0
306	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	5	.001	0	.0	0	.0	0	.0	0	.0	0	.0
307	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	44	.010	0	.0	0	.0	0	.0	0	.0	0	.0
308	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	15	.003	0	.0	0	.0	0	.0	0	.0	0	.0
309	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	18	.004	0	.0	0	.0	0	.0	0	.0	0	.0
310	0	.0	0	.0	0	.0	0	.0	55	.006	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
311	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
312	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0
313	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
314	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	2	.000	0	.0	0	.0	0	.0	0	.0	0	.0
315	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	10	.002	0	.0	0	.0	0	.0	0	.0	0	.0
TOTAL	21187		18		459		1950		9143		1072		4379		0		0		311		2406		10195	